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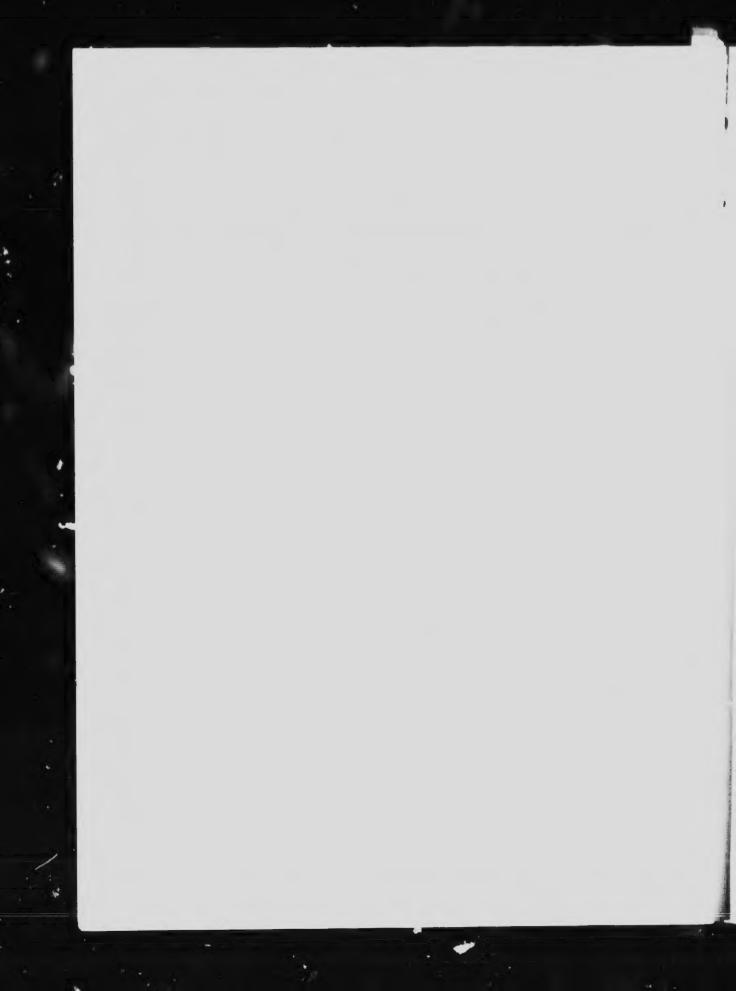
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THE CIVILIAN



# THE CIVIL SERVICE OF CANADA



A Special Issue of

THE CIVILIAN OTTAWA, ONT.



THE RIGHT HON ROBERT LAIRD BORDEN, P.C., LL.D., K.C., PREMIER OF CANADA

### The Ideals of the Premier

The Right Honourable Robert Laird Borden, Premier of Canada, has enunciated his views as to the proper status of Canada's public service in the following words:-

#### Appointment by Merit

Public officials should be appointed upon considerations of capacity and personal character and not of party service alone. We boast of our representative institutions, but these cannot

#### Civil Service Reform

A thorough and complete reformation of the laws relating to the Civil Service should be put into effect, so that future appointments shall be made by an Independent Commission acting upon the report of examiners after competitive examination. Of necessity some appointments must be left to the executive, but for the rest I prefer a competitive system of appointment to the present partisan one. Three-fourths of the time of members supporting a government is occupied with matters of patronage. Party patronage and party service have more weight than character or capacity. The public service is cumbered with useless officials. I am convinced that we shall perform a great public duty by establishing in this country that system which prevails in Great Britain, under which a member of Parliament has practically no voice in or control over appointments to the Civil Service.

#### Abuse of Patronage

A government holds the power of patronage for the benefit of the public, and it is entitled to fill public office solely in the public interest. The duties of these officials are for the public benefit and are fixed by the laws of the country. Their salaries are paid out of the people's money. To use the power of filling such positions as a reward of party service and without regard to the character and capacity of the individual selected, is a Gross Breach of a Solemn Public Trust. A private trustee so dishonouring his office would be subject to punishment by the criminal law, but the one punishment which can be meted out for such abuse of a public

#### Superannuation

In 1898, the Act providing for pensions for retired Civil Servants was repealed. This course of action set aside the example of every prudent business corporation, which would have led it



THE RIGHT HON. SIR WILFRID LAURIER, P.C., G.C.M.G., K.C., D.C.L.

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#### PROLOGUE

URING the early years of the present century civil servants of a studious turn of mind began to realize the necessity of a closer attention, on the part of the government, to the rapidly increasing personnel of its Civil Service. In the year 1908, there were indications that the government of the day had decided to take this important subject under consideration, to re-organize the service and amend the Civil Service Act. Believing that the service itself should co-operate in this promising movement, four enthusiastic members of the Ottawa service formed themselves into a Board of Editors and began to edit and publish a fortnightly journ; I colled the Civilians. The present work is issued as a special number of the Civilian. The high purposes for which this book is published will be developed in the succeeding pages.

Of the original Board of Editors, but one remains, and he, as Chairman of the Civilian Committee of the Civil Service Federation of Canada, still carries on the work with the assistance of several co-editors and an indefinite number of contributors.

What is this book and why is it written? What is the Civil Service of Canada?

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Not long ago a promuent member of the government of the Right Honourable R. L. Borden was asked the question: "How many persons are employed in a permanent capacity by the federal government?" The reply was: "About 14 000." This estimate of the number of civil servants suggests the propriety of a work such as the present undertaking. Since an accurate census of the service has been taken by the Civilian the above question has been asked of many prominent people and all expressed their undisguised amazement upon learning that the number is over 10,000. Other features that make the issuance of this book not only advisable but vitally essential, will be presented to the reader in due course.

When the Civil Service Act was made law, the Civil Service was designated under two schedules, comprising the inside service and three outside services,—Customs, Inland Revenue and Post Office. At the time of the passing of the Act, these schedules embraced nearly all in the government service. At the present time there are 40,000 persons in the service, but only 12,000 under the Act. Eliminating the employees of the Intercolonial Railway, of the permanent Militia and the Mounted Police which are under special statutes, there is still a personnel of over 13,000 not governed by the Act; that is to say there are more persons not under the Act than there are under it. The Civil Service, like an unweeded garden, has overrun its boundaries. The public service of the country should be its premier institution. It should command the respect and admiration of the people. If in some degree these pages serve to emphasize the value to the Dominion of the people's public service, the immense labour involved co the preparation of this work will not have been in vain.

The magnitude of the task undertaken by the editors was scarcely realized at the inception of the work, and the impossibility of doing justice to so vast a subject became apparer. - the work progressed. It therefore becomes necessary at the outset, to point out some of the mitations and to affix some of the boundaries that inevitably stood in the way,

Canada, in this connection, is the Dominion of Canada and not the provinces or territories which Canada is composed, nor any of the municipalities which carry on their affairs under e jurisdiction of the provinces. This work is confined wholly to the field of federal affairs.

There is a small army of people who serve government contractors in the construction of radways, canals, buildings, and harbour improvements. These of course are excluded. There are many others who draw their pay direct from the government, yet cannot be considered as holding positions in a permanent capacity. Among this class may be mentioned country post masters to the number of 14,000, rural mail couriers numbering 2,300, and thousands engaged as mail contractors to a greater or less degree. These perform the never-ending miracle of collecting and distributing the mails throughout the immense area of the Dominion.

Great services which are not usually considered part of the Civil Service are included, and yet, because of their peculiar relation to the main body of the Service, are not dealt with in detail. For instance, a whole book might easily be given to the Intercolonial Railway employees, a great organization of some 40 000 persons; an organization, of which, due allowances being granted for a certain weakness inherent in government ownership, all the friends of public operation of public utilities are proud.

There is also the Royal Northwest Mounted Police, a service whose merits and splendid achievements have been described and extolled by many of the greatest publicists of the world. These are counted as of the Civil Service for the purposes of the present work, but no attempt has been made to explain the details of their operations as is done in the case of those departments which form the Civil Service as conceived in the public mind

With all the exclusions and all the limitations, the subject in all reason, is broad enough. Think of it! Here is a great, new half-continent, to be discovered, opened peopled, organized. Here are a few millions of people—a bare handful as compared with the population of similar areas in other parts of the world—and it is their energy, their brains, their money (or credit), their vitality and virility, their honesty and practical capability, that must be tree-slated into constitutions institutions, systems and services over this whole, almost unthinkable, expanse of country. The works of conserving and maintaining what has been growed must go on, as well as the work of winning new areas from solitude or from anarchy. Every true Canadian in his own way, whether he trades with Indians and Esquimaux, or whether he holds down an office stool in a counting house in some crowded city, is working individually toward the building up of the country. But Canadians not individually but as a nation, carry on operations for the making of the Canada that is to be. Canadians as a people have their agents in the work that as a people they are carrying on. These agents, whatever may be their line of duty or wherever they may work, are properly included under the general name The Civil Service of Canada.

The nature of the task upon which the men and women of the Canadian Civil Service are engaged, is shown in these pages. And yet any mere statement and description of the several operations conveys to the mind of the average reader little information concerning the whole service. Let the reader judge that service by the results as he knows them to be, for the Civil Service is a factor in every national development. An eminent authority in the United States recently spoke of Canadians as "making a continent to order," this being the picture presented to his mind by the rapid development that is now going on. We do not realize that never in the history of the world have expansion and organization gone on as rapidly as in Canada at this very moment. Now, haste means waste, as a rule; it means friction, error,—building up only to tear down and build + "ain.—It means that in the attention given to the new work the old work is apt to be neglected and to fall into confusion. The fact that so few great errors are made; the fact that the work goes on smoothly, on the whole, in spite of the tremendous speed is due to the genius for self-government of the Canadian people.

If immigrants from all the world rush in by the million and find not only opportunity, but prosperity: if new empires are won every year from the grip of the Frost King and are transformed as if by magic from solitudes into areas of modern evalization; if new routes for world traffic are opened and the realization of the old dreams of the westward route to the Orient and the North West Passage are realized before our eyes; if peace is maintained and all the new and good ideas of modern invention and modern againistration are adapted to the needs of a new and varied population without discouraging enterprise or offending old prejudices; if democratic institutions are maintained even where difficulties of language, creed, origin and race are increased with every shipload of people from abroad; if the wealth of the people individually

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more ses with rapidity unexampled in the world's bistory, while at the same time the conservation of the public domain and of the country's natural resources is maintained, on the whole, better them in any other country, let it all be set down to the everlisting honour of the people

But let it not be forgotten that these things are not self-accomplishing. Territory does not jush into the light and warmth of civilization. Explorers must risk their lives in the Northland westes to find our where men may hope to live in safety. The early services of survey mails justice and transportation must be performed under difficulties which appal any but the stoutest-hearted of men. The subsequent complexities arising from the clash of interest opinion. prejudice and sentiment of a new and varied population do not adjust themselves, but call for firmness that, wisdom and never-ending labour on the part of those to whom this business is entrusted. And ever as the circle widens and the people increase in number, the work grows greater, not only for those who do His Majesty's business at the outskirts, but for those at the centre who have the supervision of the whole vast whirling mechanism of government and sublic administration. If the Canadian people have proven themselves possessed of high qualities by the success of their experiment in government, let credit be given also to those who have been the agents through whom the wisdom and sound instincts of the people have been expressed. Fo the Civil Service of Canada the people have looked for the translation into fact and into life of the good wishes and good thoughts which are the soul of the nation. The results show that the Dominion of Canada has been well served. Ideals are never realized, of course else, as Browning suggests, what's Heaven for? But the fact as we see it to-day, a growing population in an expanding territory with improvements going on as never in the world before and with honesty and efficiency in every department of the public service. This is a stupendous fact which may well make every member of the Civil Service of Canada proud of the work in which he or she is engaged and of those who wear the livery of the Canadian people

Another point worthy of notice is the fact that the work of the Civil Service grows every where important to the average nem. Where the pioneer was out on his lonely bush farm in the old days with the mail reaching the nearest village only once a week and with nearly all business carried on in "trade" and only occasionally a coin to come his way, the individual was everything and the government nothing. When the city child grew up with nothing to remned him of the Dominion Government except the letter-carrier on the street, the question as to whether the Civil Service were good or bad interested him but little. But those days are gone nd other days are bringing tremendous changes. In these times, the first thing the lonely settler wants is a daily mail and rural free delivery at that. He demands the services of experts to furnish him with meteorological service, and to make chemical tests of the soil of his location He wants his products carried in refrigerator cars, and expects a government certificate of purity and germinative nower with every purchase of seed. The city man must have perfect administration of banking and insurance laws this letters must be put into bid-band and servants must regulate for his protection the service and charges of all corporations operating cubble utilities. In this age of inventions, new trades multiply, but rapidly as the field of insavidual mitrative and endervour extends plinost as rapidly extends the field of public operation that field in which the civil servants labour. People do not realize how rapidly the public serthese increase and vary. It is but the other day that there was no Railway Commission no government wireless telegraph, no government annuities no Department of Lybour no Commassion of Conservation And within a very short time unless the signs but the Dominion will maye an immense service devoted to public roads, another devoted to technical education, another devoted to sanitation. And at the same time the work of agricultural organization will be greatly extended, banking will be popularized and placed at the savice of every worker. 13 c management of the public demain will be carried to a degree of perfection now undreamed of by the average man, and the protection of the right of every man, woman and child will be the business of public officials and not of privately retained lawyers.

The reader should understand that there is a division of the Civil Service which is natural in itself and is also recognized and established by law. It is just such a distinction a every bank, insurance company or great corporation makes between its home-office force and its force is the field. Without quoting the phrascology of the law or going into fine detail, it may be

said generally that those civil servants who carry on their work at Ottawa are called the Inside Service, and those who meet the public as local inspectors, collectors demonstrators or guardians are called the Outside Service. In what follows very special effort has been made to make a complete presentation of the work of the Outside Service, because it was in this that the difficulty of collecting information was met. In the public buildings at Ottawa information can easily be gained, and the reporters who write the accounts of the departments that are here given are quite usually members of the Inside Service. On the other hand the work of collecting anything like full information, covering the work and needs of the Outside Service, is difficult to a degree quite beyond the imagination of the average reader of these pages

The only remaining explanatory note it is necessary to make, has reference to the scries of departmental articles, which, however briefly or inadequacely, are designed to recount the retual service rendered to the public by each department and each branch of the public service. It has not been possible to attain to any degree of uniformity in these articles, for the reason that so many different officials in the departments had to do, in some way, with their preparation. In getting close to the fountain head of information there has followed an unavoidable difference in the manner of treating the subject, is well as in the literary style. On the other hand, the system pursued has been the surest way to secure accuracy as to facts, a very important consideration. In this connection the editors desire to extend their thanks and appreciation to those who have so cordially contributed in co-operation and encouragement to the collection of the material required.

In conclusion. the purpose of this book is to educate the public mind to a proper estimation of the status the Civil Service should occupy among the institutions of the country, and thereby make a contribution to the cause of good government.



# The Departments of the Canadian Government

#### Governor General's Secretary's Office

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Ir the civil service of Canada were regarded as a great arrangement of concentric circles it would be seen that taken geographically it covered the uttermost edge of the known territory of the Dominion for the farthermost work of exploration is

carried on by civil servants. the outlaws, the outeasts and the "unfit" of every kind are handed over to evil servants for guardianship. It those concentric circles were considered one by one we should find the unermost circle—one so small as to be barely more than a dot on this imaginary char!—to be that whose name gives title to this brief sketch, the office of the Governor General's Secretary.

The centre of a circle is but a point of approach and departure; it is nothing in itself, and is never analyzed, or even very much considered. If the centre will but hold its blace, that is all that is desired of it. but what more important in all this world than that the centre of the circle should remain equidistant from every point of the encumterence?

The curious people who hunt over the vast wastes and pry into the hidden nooks of that immense territory of figures known as the Auditor General's report, find that under the vitle of this article, and under the sub-title. Salaries at Ortawa," appears an entry to show that the Governor General's honorarium, or whatever it is called, was to him duly made over. It will not do at this stage to go into a discussion of whether this shows that His Royal Highness the Governor General is a member of the Canadian civil service, and an employee carefully docketed in the staff office of his own secretary. The Auditor General's report is not an authority on the Constitution or on the Civil Service Act. But, on the other hand, there is a truism. always depended upon by those who can use it to their own advantage, that figures cannot be. There before your eyes is the entry of the Governor General's emolument in plain figures, repeated in the Auditor General's report, year after year, and nobody has ever yet found fault with the way in which it is entered. Should the civil servant infer from this official record that the Governor General is his fellow-servant, will any logician deny the soundiness of that inference? And should that civil servant learn from this that this work for the people of Canada is ill one work, that it is not mere drudgery or mere eye-service as it may appear to the groundlings who see only its unworthy movements, but that it is the devotion of noblemen, of royalty itself, and that therefore it is worthy of the highest, and should call forth the best powers of all,

if that be the spirit in which the civil servant looks up and calls the Governor General his co-worker or higher grade, where is the statesman, moralist or social theorist who will chide? If we take it in the right way, the Governor General is the centre of that small innermost circle which is surrounded by all the enlarging and nation-spreadicg circles known as the Civil Service

In the articles that follow this one, each department of the public service is gone into as ramutely as space will allow, and every effort is made to explain just how all the work is done and by whom. Ruskin has truly said that there is in all true work an element that cannot be explained. And so it is with the civil service of Canada. Every law that is administered depends for its success, not alone upon the wisdom which is embodied in its sections, not alone upon the justice with which it deals with those affected by it, but also upon the tact, the good sense, of those who apply its provisions to the actualities of life. In every department that is explained in these pages there remains a part that is hidden, not because there is anything to hide, but simply because in the nature or things, complete revelation is impossible and unthinkable.

Everyfody, including those immediately concerned, seems to have accepted the Governor Ceneral's Secretary's office as this irreducible minimum in the calculations of publicity. Search the records of Parliament, and you find every other office and every other department, the subpeet of curiosity, complaint, or praise. But the Governor General's Secretary's office is never discussed. Mentioned, it may be, but in so distant and impersonal a way that the silence on the subject seems to be not broken, but emphasized. This lack of publicity is not the result of anything done or left undone by the Governor General's Secretary's office. Taxerything there is as open as any other part of the civil service. But this department is something more than a part of Canada's civil service; it is, in one way, the official bond that unites Canada to the Empire. The Military Secretary and the staff of adds-discamp who manage the details of those official activity— (which the Governor General is the chief participant are men trained in Typee. It is quite a common experience for Canadians to read of some the British diplomat a being done by a rising diplomat stationed in some far corner of the great work for the Laearth, and to recall the name as that of an athletic and debonair young gentleman who had spent a season in Canada as member of some former Governor General's staft. We have even had at least one of these young gentlemen, when advanced to middle age, return to Ortawa as Governor General. The idea of the divinity that doth hedge a king has never impressed Cauadians very much as applying to the King's representative here, and yet the mass of the people have had the common sense and logic to understand that an office that represents both Canada and the Empire is a little different from one that represents Canada only. This, no doubt, accounts for the fact that the operation of the machinery of the Governor General's Secretary's office has never been exploited in the press, even in these days of the abiquitous reporter and the omnipresent camera fiend.

On the other hand, the work of this department of the public service has always been efficiently performed. Whether that work be the arranging for receptions at Rideau Hall, or the carrying on of correspondence that closely concerns inter-imperial or international relations of mealculable importance, efficiency has been the rule. The one thing required of a Governor General and his staff is tact; and where this has been lacking in the King's representative himself—as it must be admitted. The isionally has been the case with some former occupants of the office, all the more it has been necessary for the wise and ready young gentleman of the staff a minimize the effects of the error and engineer, their chief into avoidance of such impedicy

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Canadians owe more than they are ever likely to know, and infinitely more than they could ever repay, to the Governor General's Secretary's office. The staff is small and the expense The good accomplished is seen in the excellent relations that have always prevailed not only with the authorities of the mother country, but with the leaders of thought in this Dominion, and with all the people who save in any way come within the influence of the activities carried on in the name of the titular head of His Maje ty's affairs in Canada.

#### Office of the Privy Council

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PARTIMINARY and government institutions in Canada an anodefied on the Bresh system. Let us therefore take rightness to ickward to the origin of the Council. Nachamiel Barron in 1650 fells us that the wisdom of the Crown was not intended to rest in one person whether the personal

the king be obtorvoung. Hence the King's Conneil who t is as old is the monarchy itself. The said and grave conneil promised by Henry VI to his partition attent cale satisfing in 11760 was the Privy Conneil the sworn conneillors of the leag bound by an oath of scenery and helefity and raying its clerk and book of record. This is the conneil by and with whose advocated not otherwise all things are held to be done by the king. In the region of William III the Cabinet Coancil was established and supersecied the older Privy Council for Cabinet Coancil Halfan says has no legal powers rights or dates. At first it was presided over by the sovereign, but this practice ceased at the recession of George E who spoke no English since which the Cabinet Council composed of a committee of the party in power at the moment, has been entirely in control.

The Caradian Constitution provides for the appointment of connect to aid and advise the representative or the sovereign in the government of Canad. This body is styled the Iving's Privy Council and its members are chosen and may be removed by the Covernor General In accordance with the principles of the British Constitution, this council represents the voice of the majority of the people's representatives in Parliament, and holds office as long as its members retain the confidence of the House of Commons. The name has been horrowed from that air at institution in Lingland, which as shown above has now become an honorary body and its duties have been transferred to a Cabinet Council or technically speaking a

It will reachly be seen that the importance of the Privy Conneil is not confined to an ancient and interesting history but to the prominence it takes as the foundation and centre of executive authority and governmental action in this country. It is upon an order of the Council that ministers are appointed to discharge their duties and this applies all song the line to the messengers. It may be a five nellion contract on the Transcontinental or a half-thousand breakwater on the Ottawa but all alike bave to be discussed and passed by Conseil Legislation has to be prepared for Parliament, and when it obtains parliamentary, sanction it returns to the Council to be put into execution. The money estimates presented yearly to Parliament bave all to be threshed out by the Council, and it an over-worked civil civant wants an extra week for holidays he must get an order in Council or lose his pay.

There is no other department of the service that can boast of such a line of illustrious statesmen as political and administrative heads. Among the presidents of the King's Privy Council for Canada there have been Hon, Joseph Howe, Sir Charles Tupper, Hon, Lucias Seth Huntington, Hon, Edward Blake Sir John A. Macdonald, Hon, C. C. Colby, Sir J. J. C. Borden, who now fills the office

The Clerks of the Privy Council for Canada since Confederation are as follows: William Henry Lee, William Alfred Himsworth, Joseph Oliver Cote, John Joseph McGee and Rodolphe Boudreau, the present occupant of the position.

## Legislative Departments

In an organization so great and complex as the Civil Service of Canada, there must be, of course, certain portions that are included on grounds of practical convenience rather than of theoretical appropriateness. The administration of law is the business of the civil arrange

ness. The administration of law is the business of the civil service. The making of law is a different matter according to constitutional authority. Time has been at Canada, as in other countries, when the head of the administration has been at open was with the legislative body, and many are the checks provided in some countries to prevent administration and legislation from interfering with each other. So much for special occasion,



RODOLPHI BOLDREAU CLERK OF THE PRIVE COLNCE

19 so much for theories of political constitution. In practice the officers who serve the Dominion Parliament are so closely a - sd with the civil service that they have always been treated much like civil servants. So completely did the two bodies assimilate that the Act of 1908 expressly metaded the servants of the legislature so far as the four great matters of appointment, promotion classification and salary are concerned. It also established the legislative branches

"Parliament Hill" is the chief beauty spot of Canada, so far as architecture is concerned Like the splendid music and noble words of which Tennyson speaks, the site on the cliff that overlooks the Ottawa and the buildings upon that site make perfect harmony. These three great structures Parliament Buildings, East Block and West Block, were designed to house the public life of Canada, and were declared, by those who knew the design, to be sufficient for the needs of Canada for fifty years to come. It is not yet fifty years since their completion yet, to-day, in spite of many and great additions, they do not provide accommodation for half

In the noblest of these buildings, the one immediately overlooking the cliff and forming the centre of the picture everyone who has seen carries in his memory, is housed the Dominion Parliament, with its corps of public officials. To say that this part of our public life is more important than any other would be unfair as well as invidious. But it is quite reasonable to point out that the legislative departments are different from the others in that they make the

Even the casual visitor to the great Parliament Build ags would infer that which the law provides. that there must be three legislative departments. So clear is the natural division that it was recognized even before the building was designed and that division is formalized for civil service purposes under the law of 1908. On the right side of the main entrance, and in its own wing of the building, is the Schate, on the left and similarly housed with some additions on account of its greater size, is the House of Commons. Then, at the back or at the from if you consider the building from its most impressive view point, that from the river, and equally accessible from either wing, is the stately and beautiful Library of Parliament, the central chamber of which is probably the most perfect room, asthetically considered, in all

For each House, considered as a department of the civil service, Mr. Speaker is the Minister and the Clerk is the deputy. And, as the Houses have equal jurisdiction in the Library, the Speakers jointly are Ministers, and the Librarians—there are two, as will be explained later. are deputies. Each department has its complete and independent organization.

To describe the Houses separately would be merely repetitional, for they are joined in the same work and meessarily are manned and organized much alike. The House of Commons is the more numerous body, as the House of which the Prime Minister is a member, and as that in which the greater number of important bills originate and those debates take place which attract widest popular attention, has a much larger staff than the Senate.

The conditions under which the work of the civil servants in the legislative departments scattied on make for friction. The mere fact that about three hundred public representatives seemble from the ends of the Dominion to discuss, under their responsibility, all put he affairs as well as to pass laws relating to both public and private matters, means difficulty in a thousard ways. Parliament while, in certain humours, lement and tolerant out of all reason, demands, as a rule, perfect service. The session with its mass of business, its conflicting and changing a true, particle force animosities, political and personal, often aroused, is a trying field in which to work. Even a routine job under such conditions carries a certain excitement which must be combated if error is to be avoided and duties performed on a time schedule. The times of work are often unreasonable, and no man can tell in advance when the session will begin or end, or how many hours it will work in any week or month. All this is another way of saying that what railway men call the "peak load" of work is very high, and this means that the staff must be large in proportion to the average work to be done.

The work of either House runs in fairly vell defined channels. The principal business of ourse, is that of recording the proceedings. This is a work of mestimable importance and



HON PUPER LANDRY SPEAKER OF THE MENALE

one calling for knowledge that is possessed by very few indeed. The office of Clerk of the House of Commons has been held by only four men. Mr. W. B. Lindsay, who had been Clerk of the Legislative Assembly of Canada, continued his duties in the Commons until his death when he was succeeded by Mr. Allred Patrick. On Mr. Patrick's retirement, Mr. afterwards Sir John G. Bourmot who had been Clerk Assistant was promoted. No name in the public service of Canada is better known than that of Sir John Bourmot. His works on parhamentary history and procedure are read and epoted throughout the world. The present Clerk is Di-T. B. Flint, formerly M.P. for Yarmouth, N.S., who is also an author of distinction of legal and parliamentary affairs. The Schate has been served in this capacity successively by John Fennings Taylor, Robert LeMoine, Edward Joseph Langevin and Samuel E. St. Orge Chapleau The Clerk has an ssistant who sits with him in the chamber, and a staff outside the chamber who carry on the work of preparing for publication the "scroll" which the Clerk sends out and who also draft motions for the autation in the House record bills care for the documents any ove of priceless value, and attend to a multitude or details which it would need a volume to a serile and in respect of which accuracy is imperative. The bend of this staff for the Commons is Mr. W. C. Bowles, LS,O., a veteran in the service, a tircless worker and a perfect evelopedia of knowledge of the working of the parliamentary machine. Dr. J. R. E. Chapleau, an efficient officer, is in charge of the French section of this work.

Another record is made on the floor, that of "Hansard" the official report of delactics In the Senate this work is outside the civil service, being performed under contract by Holland Bros., the celebrated reporters. In the Commons there is a corps who are officers of the House. and whose chief is Mr. Albert Horton officially known as editor of debates. Mr. Horton has had a long experience in both newspaper and official reporting and the present perfection of the official report is largely due to his supervision.

The legal officer of either House has a position of great importance. It is a proverb among lawyers t'art it is harder to draft a statute than to write a great poem. To word a Bill so as to conform to the constitution and also express exactly and effectively that which Parliament desires to express is a labour of great difficulty. Both Houses have been well served in this proportant office. Mr. J. G. Aylwin Creighton, C.M.G., the law clerk  $\alpha^{-}$  at Senate has been long in legislative service. Mr. Francis H. Gisborne, parliamentary counsel, has but recently taken that office. As a legal officer and secretary of the Department of Justice for many years be made a high reputation

The discussions of Parliament do not take place in the legislative chambers. The Commuttees of each House are a necessary part of the machinery, and sometimes, as when a Transcontinental Bill or a Banking Bill is up, the discussions in Committee are more important and eteresting than those in the House. In the Commons Mr. E. P. Harting, examiner and registrar of private bills, is the efficient head of a most capable staff who act as secretaries for the

As both English and French are official languages in the Parliament of Canada, the work of translation is coterminous with all proceedings. The translation staff is necessarily a large one. In the Senate Mr. J. Boutillier Trudel and in the Commons Mr. Louis Laframboise head

Parhament consists of about three bundred leading men, few of whom are at home in Ottawa: ad there being also a constant flow of visitors of all kinds, extensive preparations must be made ) care for them all. This means that in either House there is a staff of messengers, pages, Stendants, mechanics and others. This multifarious staft is in charge of the Sergeant-at-Arms, I the Commons the Folder of this office is Lieut-Col. Henry R. Smith C M G and in the

The employees of Parliament, of course, are comparatively few out of session, yet it is essary to keep a considerable number permanently, in order to have then services when the systems on. The House of Commons has a staft of 99 regular officers and 45 constant ployees who are paid by the day. In the session 32 additional clerks and 35 stenographers are gaged. Messengers, servants, pages and others are employed during the session to the numof 79. The total number at work during the session is thus 260. The Senate gives employ-



HOX THOMAS SIMPSON SPROUTI STAND OF THE HOLSE OF COMMONS

ment to 35 permanent officers, clerks and servants and 14 employees by the day. The additions to the staff on account of the session number 29, making a total force of 66. Even with the growth of business owing to the increase of population and the multiplication of governmental activities, the number of employees of Parliament increases very slowly.

The Library of Parliament a brief account of which will complete this description of the legislative departments is more magnificently housed than any other portion of the public service. The building was designed after the great reading room of the British Misseum. The place is a circle and is walled solidly with blocks. Beautifully carved stacks stand out from the wall toward the centre forming alcoves of books. Vaults and side rooms are piecked with books. A curious miscalculation which made the outer circumference what the inner circumference was designed to be restricted the space and the place was overcrowded from the very beginning. As it has remained true that "of the making of many books there is no end," the congestion in the Library now can be better imagined than described. The books now in the collection number about 300,000.

The floor, which was intended to be open so as to enable the officers at the central desks have complete surveillance of the whole place, has been cumbered with stacks cases and comer obstructions. A few years ago these were so extended that they became an eyesore and commercence with the efficient working of the Library, but recent modifications have restored the place to some semblance of what was first intended. Ministers of Public Works have command gone, each with his special scheme for settling the problem of book space for the Library, and the problem still stands. The picture presented by the building, both inside and outside, is so perfect that every proposal of change is regarded by some as vandalism, and further delay is suggested.

Dr. Alpheus Todd, the voted writer on political and constitutional history, was the first observation of Parliament. He was the friend and adviser of the greatest men on both sides of politics, and was one of the ablest scholars Canada ever produced. On his death, the office of abstration was divided. Dr. A. D. DeCelles, who had been assistant to Dr. Todd, was made general librarian. Dr. DeCelles is a French Canadian writer of distinction and is recognized as a wise con ultant on literary subjects by students, especially of his own race. The diffuse of parliamentary librarian were handed over to Dr. Martin J. criffin, one of the many eminent atterary men whom the learned province of Nova scotia has turned out. His initials, "M.J. G.", at fine literary tone to the newspapers in which they appear.

The staff of the Library is very small, numbering only nineteen persons even during the session. These are all on the permanent list of the inside service, except two extra sessional messengers.

The primary service of the Library of Parliament is defined by the title. Members of the legislative bodies may need to know the average export of Argentine beet for ten years past, a they may need to know whether it was Sari-Shel, or Artenius Ward who originated a cultain striking phrase. For anything recorded in print they have recourse to the Library. And creotien these things are required at a hirry. It may be three o clock in the morning, after often the leader of the House suddenly needs just one fact of statute, statistics or interature contouned and crush an opponent. A dishevelled page, suddenly roused from a doze on the sistence is great; the book needed must be put in his hands at once. To have in attendance, ony time, day or night, when either House chooses to sit, people who can interpret a hasty exams of the Library. But the Library is also the resort of many literary men and scholars of fail within its walls material inaccessible elsewhere.



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#### Department of the Secretary of State

The Department of the Secretary of State is not so much in evidence as some other branches of the executive, and its work is not so generally understood, but it is nevertheless one of the busiest of the departments, and fully as necessary to the carrying

on of the affairs of the country as any other in the public service

Its deputy head, the Under Secretary of State, is also styled "Deputy Registrar-General," and the dual office is now filled by Mr. Thomas Mulvey, K.C., B.A., who was Assistant Provincial Secretary of Ontario before entering the Dominion service. The Assistant Under Secretary of State is Mr. Philippe Pelletier: the Chief Clerk and Accountant is Mr. Frederick Colson and the Assistant Deputy Registrar General, Mr. Ira W. Storr.

Apart from the care of state papers, and the registration of documents etc., the Department of the Secretary of State is charged with the administration of the Companies' Act (which combodies also the Companies Clauses Act, the Loan Companies Act, the Act respecting Mining operations in the Yukon and the Territories, and the Act under which Foreign L.—and Investment Companies are authorized to do business in Canada—the Civil Service Acts—the Canada Temperance Act, the Trades Umon Act—the Naturalization Act—and the Boards of Trade Act—To the deputy head of this department have usually been entrusted, of late—vears, the atrangements for receiving royal and other distinguished visitors on state occasions—as, for instance, the visit of their present Majesties in 1900, the visits of Prince Arthur of Commanght Wales—to the Quebec Terrentenary, and the reception of His Royal Highness the present Gover nor General.—These have necessitated a large volume of extra work of which no account is ever taken by either Parliament or the public.

The department has general charge of Royal Commissions which are not appointed at the instance of some other department. The Chinese and Japanese Commission, the Commission on the Liquor Traffic, the Commission of Inquiry into the Civil Service and the "Sweating" Commission are among those with which the department has dealt.

The administration of the Companies' Act is a work of great importance and exteat. Every application (sometimes as many as ten or twelve are received in a day), has to be carefully examined, especially with regard to the powers desired. Formerly no charter was granted, except upon the report of the Minister of Justice and the Minister of Finance concurrently with that of the Secretary of State, but now all the work is done in this department. Prior to exercise the yearly average of incorporations was fifty or sixty; that for the past three years was applications dealt with is larger than the yearly average a decade ago.

The State Department is not usually looked upon as a revenue producer, and it is therefore something in the nature of a revelation to learn that it receives in fees under the Companies' Act considerably over 8300 000, nearly a quarter of a million more than the salary of its entire staff and that its revenue from all sources shows actually a net profit of about 8225,000 over its entire expenditure.

Under the Naturalization Act, the department receives, twice a year, a return from each of some tour hundred officers of county, circuit, and other courts throughout the Dominion, showing what aliens have been naturalized, with full particulars regarding their previous nationalities; so that the department has a complete list, in detail, of a'l for agners who become naturalized subjects in Canada. Some of the returns contain from one thousand to two thousand names, every one of which has to be verified by the certified copy of the certificate of naturalization, before being copied and filed. There are now recorded in the department the names, eith full particulars in each case, of over two hundred thousand naturalized Canadians.

The revival of interest of late years in the Canada Temperance Act has again made its eliministration an important item in the work of the department; the conflict of interest insolved whenever petitions for an election are received, necessitating treatments and attention, and involving a large amount of detail and correspondence.



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The Secretary of State is charged with carrying out the Governor General's decisions upon petitions for the exercise or the privogative of mercy. These are divided into two distinct classes 1. Capital cases in which death sentences when his executed in commuted to mispersonment and 2. Criminal cases, wherein a niences of manusonment have been passes of full perdon being granted or the release made concur onal under the terms of the Ticket or-Leave Act. Of these latter alone, more than twelve hands the ises were dealt with last vest by the department through the wachum of whice the Covernor Cererily physical arrade known

All returns and orders of the Senate and House of Commons are sent to this department to procure the information called for. These buye to be copied in bood, and received to the various departments specially concerned and when received back the pupers have to be prepried for preservation to Parhament. As the majority of these orders and returns consein alithe departments, and in menty cases the commissions, requiring often the making of twenty-five to thirty references of each return, some idea may be gained of the amount of work and correspondence involved, when it is stated that last year over one thousand orders and returns were so capit with, nearly five times as many as in the last previous session. All "questions" put by senators and members, when more than one department is concerned, are deaft with in a sum or manner. the collective answers being made by the leader of the government in the Senate and the Sage-

The department is the general registry office of the government, and theusands of deeds entered into, by or with the Dominion, are carefully copied into its books, and a gistered for reference. All proclamations releases of mortgage, surrenders to the crown, etc. etc. are similarly registered. In the registry branch are documents dating as far back is 1051. Surery bonds given by officers of the government are recorded here, and all commissions under the Grent Seal of the Dominion and the Privy Seal of the Governor General, both of which are in the custody of the Secretary of State, are prepared and issued from this office. It is the office of deposit and record for agreements, mortgages, liens, etc., under the Railway and Companies' Acts. Hundreds of such documents are indexed and deposited in its scies, and scarcely a day passes without public access to their being required.

All patents for Dominion lands are signed, sealed, and completed in this department, which, moreover, is the office of record for all such patents issued prior to 1884. The total number that passed through the department in the year just closed (191), was over twenty-

The department registers and issues all certificates to incorporate Fourds of trade, and grants licenses to foreign companies to do business in the Yukon and Territories, and to outside companies to icad money in the Dominion. It likewise prepares and registers all election

Legal documents, copies of Acts, charters, etc., for use in courts of a reign countries require to be legalized, and all certificates of such legalization are obtained and issued through the Secretary of State.

The department maintains, and keeps supplied with Canadian newspapers and periodicals the library attached to the High Commissioner's office in London. It is the channel of communication between the government of the Dominion and those of the provinces and territories, and with the High Commissioner. It receives and answers letters of inquiry from every part of the world, and upon almost every conceivable subject. It prepares the annual Civil Service List. It carries out all the details connected with the grant of the Imperial Service

The Secretary of Stare has charge of all state records and papers not specially referred to ther departments. The depressment has, therefore, to maintain in good order a great and daily icreasing mass of documents and books, the accumulation of the forty-seven years since Conderation, which require constant care, and also regular classification and indexing to make on realily available for reference. Lastly, it maintains a library of official publications for reposes of reference by all departments of the service



HON GLORGE HAUSEY PERILA Minister without Portfolio

This i more recap tulation of the multifarious functions discharged by the Department of the Secretary of State 1- an eye opener for one unacquainted with its digities and responsibilities In describe detre contine and princeses measured to the proper curving out of its work is impossible within in all the of this compass. The reader must be left to reflect upon the large part which this small department has it, running the alturs of Canada.

#### The Department of External Affairs

Fins department, though small and of recent creation, is by no means the least important of the many arteries of the life of the Dominion, having, as the Act creating the department the Covernment of Canada and the government of any other country and also the adminisspecifies the conduct of all official communications between

stration of all matters relating to the foreign consular services in Canada

It being apparent that a separate department to this end was necessary, intercourse with the world increasing directly as the growth of the Dominion a Bill creating the department was passed on April 16, 1909. At its inception, it was attached to the Department of the Secretary of State for Canada, but was afterwards placed under the control of the Prime Minister, who is

As will be seen from the departmental report for the year ended March 31, 1913, agreeing were made and ratified with the United States concerning North Atlantic Coast Fisheries, International Boundary Waters, Pecumary Claims, the Regulation of Fisheries contiguous to the International Boundary, Pelagic Scaling and the demarcation of the Alaska Boundary; and a Treaty was concluded with Japan having reference to commerce and navigation. As to reitems with other portions of the Empire, a trude agreement vas made between the Dominion and the British West Indies and a Royal Commission sat in London Eng. on "Trade and

The various consuls vice-consuls and consular agents of longua powers accordined to the Dominion number some 297, representing 33 countries, with whom this department can is admy communicate if need be. A list of these officials is kept in the department for reference

Vyery important work of the department is the issuing of passports to British-Lorn subnets or to persons naturalized in the Dominion, which is done upon the payment of a toc of two dollars, whatever the number of persons concerned, together with the production of a declaration, setting forth his or her identity, signed by some person of standing in the Dominion, certificates of birth being required in certain cases. The passport then issued is valid for five years from the date of issue, a fresh one then being required. If the applicant be a naturalized British subject, the certificate of naturalization must accompany the declaration, together with a statutory declaration that the applicant, after his or her sojourn abroad, the duration of which must be stated intends to return to and reside permanently in Canada. The conditions prey dent in the several foreign countries with respect to passports are published in the reports of the department, and the number of such passports during the fiscal year 1912-13 was 520 As may be imagined, the amount of correspondence in connection with such matters is ve oge, to say nothing of the labour involved in indexing each case for instant reference.

The Under Secretary of State for External Affairs, Sir Joseph Pope, entered the civil sere e in 1878, serving as private secretary to Sir John A. Macdonald, 1882-91. In 1889 he was e ide Assistant Clerk of the King's Privy Council for Canada, and in 1896, Under Secretary of s ite and Deputy Registrar General of Canada. On the creation of this department he was ide Under Secretary of State for External Affairs. He was one of those representing the Dominion in the Behring Sea Arbitration at Paris 1893, and at the proceedings of the Joint If th Commission that met at Quebec and Washington 1898-99, was Associate Serretary of Maska Boundary Tribunal London 1903; second British delegate at the Pelagic Scaling tenference, Washington, 1911. He is the only civil servant who has received the honour of



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# High Commissioner Canada in London

To High Commissioner for Canada in London is the Don and a most expired plenipotentiary. He is the official diple native represents we of Canada at the seat of Lappue and, as stab ascharges very many amportant functions of which the gene. The know and can know, little or nothing. As a channe, o. 195 communication between the Canadian and the

Im regial Covernments, he is second only to the Covernor General

Aside from these high functions, the High Commissioner serves Canada and Canadians in many ways. For the carrying on of the varied and complex business of his office he has a staff, the chief of which is the secretary, William Linney Griffith. Mr. Griffith has been in the public's gyree for seventeen years and has occupied his present post since 1963, when he succeeded J. G. Colmer, C.M.G. Assisting him are Christopher J. Taylor, an official of thirty-two years experience, George Henry Mitchell who specializes in commercial intelligence and several

To the Canadian Government and to Canadians at home, and as well to Canadians visiting the Old Land for business or pleasure, the High Commissioner's establishment is of great use Furough that channel are obtained all sorts of publications, reports and special information desired by Canadian officials and business men, and by the same means Canadian publications are distributed within the kinglon. Cutadians in London and other persons interested in Can i to find the fineary matricler are files of the High Commissioner's office of engentility. In tact it may be said that that office is the headquarters, not only of the Canadian Covernment. but also of all Canadians in the United Kingdom, whether residents or visitors. Canadian financial and commercial interests constantly make use of the establishment

T. · High Commissioner's office carries on a continual correspondence with all the departments of the Canadian Government, and the subjects dealt with, could they be learned, would (a found too many to enumerate here. All this interchange is of course of the most confidential

An instance of the privilege that Canadians have to make use of the Dominion's representain London, and of the readiness with which the desired service is rendered, was a yen last year. The city of Ottawa wanted the best expert procurable to advise it on the problem of water-supply. Application was made to the High Commissioner, and the services of a famous

The post of High Commissioner was created in 1880, and in the intervening period has had only thr | occupants, all of them Canadians of the first rank, viz., the Hon. Sir Alexander T. Cost from 1880 to 1884; the Hon Sn Charles Tupper Bart, from 1884 to 1896, and the Right Hon Baron Stratheona and Mount Royal, G.C.M.G., G.C.V.O., LL D. (Cantab.) 410m 1896 to 1914, the death of the last named occurring while this article was in course of preparation At the time of writing the position remains unfilled

The belliant records high attainments and remarkable personalities of the three past High Commissioners have done more than any formal fiat of government could do to give the office its digarty and unique position and to make it a most important link between the mother but I am I the greatest of the Dominions Beyond the Seas,

### The Department of Justice

In the old Parliament of Canada, which embraced what is now the provinces of Ontario and Quebec, most of the duties assigned to the Minister of Justice at Confederation were performed by two members of the government, designated "Attorney General West" or Ontario) and "Attorney General East", for Quebec:

Since 1867, when the union of the provinces was effected, the duties of the law officers of · Crown have been constantly augmented, and to-day the Department of Justice is the largest



HON CHARLES JOSLPH DOHLRIA

law office of the Dominion. Its head the Minister of Justice is ex-officio His Majesty's Attorney General of Canada and his functions are not exceeded in importance by those of any of his colleagues. He is the official legal adviser of the Governor Ceneral and the legal member of His Majesty's Privy Council for Canada. It is his especial duty to see that the administration of public affairs is in accordance with law, and he has the superintendence of all matters connected with the administration of justice in Canada not under the jurisdiction of the governments of the provinces. He has to advise upon the legislative Acts and proceedings of each of the legislatures of the provinces of Canada, and generally to advise the Crown upon all matters of law referred to him by the Crown. The Penitentiaries and Dominion Police are under his control. As Attorney General of the Dominion, he is entrusted with the powers and charged with the duties that belong to the office of the Attorney General of England by law or usage so far as those powers and duties are applicable to Canada. He has to advise the heads of the several departments of the government upon all matters of law connected with these departments It is not duty to settle and approve all instruments issued under the Great Scal of Carada and to regulate and conduct all litigation for or against the Crowe or any public department in respect of any subject within the authority or jurisdiction of Canada.

It is on the recommendation of the Minister of Justice to the Governor-in-Council that all judges are appointed, and he is also charged with the selection of the officers, not only in his own department but of the Supreme Court of Canada and the Exchequer Court as well as of the institutions already referred to . It is, moreover, the special duty of the Minister of histice to advise the representative of His Majesty in all matters pertaining to the exercise of

While the functions of the Minister of Justice are most important and onerous, these of the executive staff working under him are probably not less so. The public money annually expended under control of the department is between three and four million dollars, but that expenditure is by no means an index of the business transacted or the financial interests affected by the duties performed by the officers of the department. For example, the law officers of the Crown attached to this department have to draft all government contracts, often involving many millions of dollars, as was the case in the contracts for the construction and operation of the National Transcontinental Railway. They have to give legal opinions on almost every conceivable subject to the other departments of the government; last year no fewer than 1.820 of these opinions were given. They have to draft all commissions and to deal with diplen atte references from the Governor General and the Department of External Affairs, and they supervise the work of the hundreds of lawyers acting for the government in all parts of Canada and also in Great Britain. In this connection, last year, the officers of the Department of Justice prepared the government case in seventy actions on "petition of right" in the Exchaquer Court and suits against the government arising before the Judicial Committee of the Privy Council in Great Britain. At the instance of other departments, 117 cases of fishing seizures and criminal prosecutions were undertaken and in the same twelve months no fewer than 480 cases of expropriation, land damage claims, etc., were dealt with,

The office of the Deputy Minister of Justice has always been held by big men. When the department was constituted at Confederation, the late Colonel Bernard was selected for the post. He was succeeded in 1867 by Mr. Z. A. Lash, K.C., who, after a few years, resigned the afree and returned to the practice of Lis prefession. Mr. Geo. W. Burbidge, K.C. and Mr. Robert Sedgwick, K.C., who each subsequently held the office for a few years, resigned in order to go on the bench, the first as Judge of the Exchequer Court and the last named as Judge of tre Supreme Court of Canada - It was in 1893 that Mr. E. L. Newcombe, K.C., C.M.G. to present Deputy Minister of Justice, assumed the office on the express invitation of Sir John compson, who had shortly before been called to the office of Prime Minister. Mr. Newcomb es, therefore, established a record in the office, having completed twenty-one years as Deputy, ed having served under eight successive Ministers of Justice. He has had a distinguished e teer at the bar having appeared as representative of the Dominion Government in all cases a importance both in the Supreme Court of Canada and in the Judicial Committee of the Privy Council. He is an untiring weather and it is recognized by the profession that tew men are · (ter equipped than he would be for a position on the bench. Indeed, it is no secret that if



SIG CHARLES THIZDATRICK Cide Histor of the Stoneme Count of Caraca

he had so chosen the could long ere now have been a judge, but he has preferred to remain at his important post as Deputy Minister of Justice. The staff of the department embraces I inverse of ability selected from all parts of Canada, as well as some laymen wrose training has fitted them for the special duties they are called upon to perform.

Among lawyers trained in this department may be mentioned Mr. John Chisholm, who has done splendid service for over a quarter of a century, and Mr. F. H. Gisborne & C., recently a tested as Parliamentary Course. Mr. Stuart Edwards, one of the brightest of the vounger taembers of the len of Outano has been appointed Assistant Deputy Munister in succession to Mr. Gisborne. The financial altans of the department have for long been supervised by Mr. J. E. Narraway, an expert in his line.

Attached to the Department of Justice is what is known as the Clemency branch, the duties of which are similar to those appertaining to the office of the Home Secretary in the Government of Great Britain. At the head of the branch is Mr. P. M. Cote, advocate with an experience of over thirty years in dealing with applications for the elemency of the Crown Associated with him as registrar as Mr. J. D. Canke, who served as secretary to four successive Ministers. and who aided the late David Mills in the investigation that led to the passage of the Ticketof Leave Act. United the operation of this measure, and also because of the steady increase in the population, the number of easis requiring attention in the Clemency branch thesim recent years enormously increased. Prior to the passing of the Ticket-of-Leave Act, the applications for elemency in a year munibered about 500. In the year 1913, over 4000 terords of prisoners soliciting elemency had to be considered, of which almost two-threes were new cases. Fo facilitate the disposal of the applications, and to relieve the Minister of Justice of some of the onerous datas in this regard. How Arthur Meighen, Solientor General, has recently indertaken the supervision of the preparation of the cases. The chief of the branch has also to examine the record in every conviction for mander, and to make a report for the Minister of Justice. The labour involved in preparing these reports is necessarily very great. In the years 1912 and 1913, for example, there was a total of 54 convictions for murder. 10,000 pages of evidence adduced at the trials had to be read and summarized in 51 reports aggregating 500 pages of typewriting. The change that has taken place in t in years is nowhere more maintest than in the cumber of Lonneides requiring investigation the average number brought before the Department of Justice has more than doubled. The same remark holds good of extradition proceedings of which last year no fewer than eightyight cases were disposed of and the prospect is that as the country grows there will be a steady nerease in the volume of business of this description,

It is noteworthy that the fitle "the Minister of Justice" in itself leads to a good deal of ortespondence and the making of many applications. The writers are generally disappointed rugants or individuals, same or insame who believe they have been wronged. They almost evariably misist that they have been defined their rights and that, wanting anstice, they come to be Minister of Justice. Such approachs are doomed to be disappointed, though they can dely be convinced that nois no part of the duty of the Minister of Justice to act as a judge, a as a court of appeal, to review indigments rendered by the courts, or to right real or fancied greater wrongs.

### Penitentiaries Branch

At Confederation the penitentiaries of the several provinces passed to the control of the Leval Government and were placed under a non-political commission known as if e Board of Oricetors. In 1875 the Board of Directors was abolished and the administration of the unstate is was transferred to the Minister of Jastice necessitating the originization of the "Pensis Branch" of his department. The immediate supervision was vested in an inspector see duties included not only examination and investigation as to the state and management disequentiations of the several institutions.

The history of the administration of this branch is a record of progress. In 1886 an amendate to the Penitemparies Act was adopted, providing for remission to convicts whose conduct



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and industry warranted special treatment—also providing increased salaries to officers and the abolition of perquisites, as well as an established system of gratuities to officers obliged to retire by physical or mental infirmity.

In the succeeding years a ward was constructed at Kingston Penitentiary for the isolated and cellular treatment of incorragibles and incapables as well as for the segregation of those convicted of bestial and unnatural offences. Statutory provision was also made for the construction of a reformatory at Alexandria for the incarceration and training of those who might be considered specially amenable to reformatory treatment. It was intended that the proposed institution should be administered by specially selected and qualified officers on the general lines of a manual training school.

In 1902 a second inspector of penitentiaries was appointed

The aggregate population of the seven penitentiaries is at present about 2,000, controlled by a staff of about 400 off  $\pm$  is.

Ten years ago the penitentary population was 1.250 and the expenditure approximately 8450 000. On March 31, 1913, the population had increased to 1,970 and the expenditure to 8750,000 per annum.

The staff at headquarters (Ottawa consists of two inspectors, a  $\mathfrak z$  arole officer, three accountants, an architect and two typists

# The Supreme and Exchequer Courts of Canada

Is his renowned work "L'Esprit des Lois," published about the middle of the eighteenth century, Baron de Montesquieu says: "There is no liberty if the judiciary power be not separated "from the legislative and executive. Were it joined with the "legislative, the life and liberty of the subject would be exposed "to arbitrary control," for the judge would be then the a gis-

entor. Were it joined to the executive power, the judge neight behave with viorence and oppression." Complementary to this an American legal writer has said: "The judicial department is an independent, co-ordinate branch of the government, neither superior, inferior or ancillary to either of the others. It is not to be controlled or dictated to by the legislature. When the constitution creates a single system of courts, or provides for their creation by the legislature, and invests them in general terms with judicial power or judicial authority, this necessarily implies that they shall possess and excreise the entire judicial power and authority rightfully appertaining to that sovereignty, save only in such particulars as may be expressly excepted by the constitution. And this will preclude the other departments of the Government from exercising any such power or authority, and will be sufficient in itself to render invalid any attempt by such other departments to encroach upon the legitimate boundaries of the judicial power."

These observations illustrate the independence of the Courts of Justice in all countries possessing free political institutions. That they are especially true of the British type of government needs no demonstration.

If we recall the incident at the beginning of the eighteenth century when brave old Chief Justice Holt ordered the Speaker of the Commons out of his Court on pain of commitment for intempt, if Mr. Speaker persisted in asserting the right of Parliament to stiffe legal proceeding gamest some of its officers, we feel a just pride in the ability of our judges to resist all encroachments upon the liberty of the subject according to law.

## The Supreme Court

The British North America Act, 1867, provided for the constitution–maintenance and organization of a general Court of Appeal for Canada, and for the establishment of any additional



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courts for the better admistration of the laws of Canada. Under this authority the Parliament of Car. da in 1875 passed an Act to establish two courts, the Supreme Court of Canada and the Excheduer Court of Canada and the

The Supreme Court was given general jurisdiction in respect of appeals, both civil and crammal, within and throughout the Dominion of Canada. Several unending Acts have been passed since, and the present legislation respecting its jurisdiction may be summarized as follows:

In civil cases the purisdiction is goveraed by the Supreme Court Act, the Exchequer Court Act, the Controverted Elections Act, the Railway Act, and the Winding-Up Act. Under the Supreme Court Act the Governor in Courcil any refer questions touching certain constitutional and legislative matters to the Court for its opinion. Jurisdiction under this section has been exercised of late years in matters of great importance, such as the reference concerning the legislative authority of the Dominion Parliament over marriage, and that relating to the dispute of tween the Dominion and the Provinces, as to the incorporation of Companies. Under the Railway Act the Board of Railway Commissioners may state a case for the opinion of the Court on any question of law. By the Supreme Court Act every judge of the Court has except in matters arising out of any claim for extradition under any treaty, concurrent jurisdiction with the courts or judges of the several provinces to issue the writ of hahra corpus all subject of the Parliament of Canada. If the judge refuses the writ of remands the prisoner, an appeal lies to the full Court.

In criminal cases the right of appeal to the Supreme Court of Canada is regulated by the orders on the Criminal Code

I rom the judgment of the Supreme Court in an appeal from a judgment of the Exchequet Court, or a local judge thereof, in the exercise of the Admiralty jurisdiction of the latter court, in appeal can be taken as a matter of right to the Judicial Committee of the Privy Council. In all other cases leave to appeal must be obtained from the Judicial Committee. By the Criminal Code no appeals in criminal cases may be taken to the Judicial Committee of the Privy Council

Just here it may not be out of place to mention that there is a growing dissatisfaction in the self-governing dominions of the Empire with the present system of appeals to His Majesty, and the constitution of the tribunal before which they are heard and determined. The necessity for reform in this matter is recognized? British lawyers and statesmen, and Lord Chancellor Haldane recently went so far as to suggest a scheme whereby in cases of exceptional moment coming from one of the great political units of the Empire, judges should be selected from the Ludicial Committee to hold a sitting of the tribunal in the country from which any such appeal may come. This is regarded by some critics as an impracticable scheme; indeed, it has been theered at as a "fond thing, vainly invented." But one of its apologists in the English legal iress says of it: "Although it is a long way from the acceptance of the new canon which some mave claimed to set up for the self-governing Dominions—that their Supreme Courts of Appeal shall not be outside of themselves—it goes far to a recognition of their claim to be treated on in equal footing with all other parts of the Empire in judicial as in other affairs."

The Supreme Court of Canada consists of a Chief Justice, and five puisne judges. The st sitting of the Court took place on February 17, 1876, but the business of hearing appeals I not begin until June 5, in that year. Since that time the work of the Court has kept pace the the general development of national life in the Dominion but the number of the judges has a been increased beyond the original six. The administrative staff of the Court consists of Registrar, two Law Reporters, an English Librarian and a French Librarian, two Secretaries the Judges, and four clerical assistants. The Sheriff of the County of Carleton is also an eer of the Supreme Court under Dominion legislation.

#### The Exchequer Court

Under the Supreme and Exchequer Courts Act. 1875, the Judges of the Supreme Court of Canada were created Judges of the Exchequer Court, and such jurisdiction was excreised from time to time by one of those judges until the year 1887. By that time the Exchequer business had grown to such dimensions that Parliament deemed it necessary to pass an Act which relieved the Supreme Court Judges of their duties in the Exchequer and set up that Court as an independent tribunal, with a single judge presiding over it. The Court was given exclusive urisdiction to hear and determine all claims in which the land, goods or money of the subject are in the possession of the Crown on right of the Dominion) or in which the claim arises out of a contract entered into by or on behalf of the Crown. The Court was also given exclusive jurisdiction to hear and determine all claims against the Crown for property taken for any public purpose, or for damage to property arising from the construction of public works, and all claims arising out of death or injury to the person caused by the negligence of the Crown's servants on a public work. The Court was also empowered by the Act to hear and determine revenue cases and proceedings to impeach and annul patents for inventions or for public lands. In 1891 the jurisdiction of the Court was enlarged to include actions of infringement of patents. copyrights and trade-marks, and in the same year it was constituted a Court of Admiralty for Canada, the Judge of the Exchequer Court being given appellate jurisdiction in cases determined by the local judges of the several Admiralty Districts in the Dominion. Subsequently, by Imperial authority, it was made a prize court in time of war. In 1903 the jurisdiction of the Court was amplified by the power being vester of the judge to order the sale, under certain circumstances, of insolvent railways subject to a Federal authority, or to appeint receivers. In 1912, owing to the great increase in business, an Assistant Judge was appointed under the authority of an Act of Parliament passed that year.

As the Court is now constituted on the Exchequer side proper, it consists of two judges, with a territorial jurisdiction co-extensive with the boundaries of the Dommion. On its Admiralty side, the original jurisdiction of the Court is not exercised by the Judges at Otlawa except in territory not laid off into an Admiralty District, otherwise it is entrusted to local judges of the Court, resident respectively within the several Admiralty Districts, of which there are seven. From the decision of a local judge, a summary appeal by way of notice of motion lies to the Exchequer Court, which saves much the expense of an appeal to the Supreme Court of Canada, although that is concurrently available to a party aggrieved by the decision of a

local judge

The administrative staff of the Court at Ottawa consists of a Registrar, who must be a barrister of at least five years' standing a Law Reporter an Official Stenographer, a Docket

Clerk, and two clerical assistants.

The Registrar's duties are of a quasi-judicial and ministerial character. He is declared by the Rules of Court to have all the powers in revenue cases that were vested in the ancient office of King's Remembrancer in England. The Registrar (either in person or by deputy) must always be present at the sittings of the Court.

There are District Registrars, Deputy District Registrars and Marshals in the several Admiralty Districts whose services are remunerated by tees. The Sheriffs throughout the

Dominion are also officers of the Court.

Probably there is no Court in the world with territorial jurisdiction so large as that of the Exchequer Court of Canada. As the Court is an ambulatory one, going to the suitors in remote parts of the Dominion instead of putting them to the expense and inconvenience of a journey to Ottawa in order to have their grievances redressed and their rights maintained, it is manifest that the amount of travel alone makes the office of Exchequer Judge no easy post. Then, too the volume of business coming before the Court is of a most varied and exacting nature. Some idea of the accuracy of this statement may be gathered from the fact that within a week recently the same judge was called upon to pronounce in one case as to the right of a manufacturer of ladies' wear to obtain a trade-mark for a so-called "self-reducing corset," and in another case to consider a claim against the Crown for some millions of dollars arising out of the expropriation of railway terminal property in a large and growing western city

### The Dominion Police

I man was once a man who shought their year easit ways of it iking money it or by the sweat of his brow in he got have wall some engraving tools and a printing-press, but now he is in peni-

tentiary. There was one, in a far-away land, who committed a grave ctime, and fled across the ocean to Canada for refuge - but he has gene hask to pay the penalty of his misdeed. Three belows saw, in the near movimity to the America, proposer of a great Canadam public work, an opportunity to deal a hory, bow to the Dominion and escape scot tree but they have spent fourteen veirs of their life sentences behind gray walls at Knegston.

AP bocause Canada nossesses an organization known as "the Dominion Police."

"Known" they are in Ottawa, where the citizens see them every day, "known," too, and admired, in every police department in the world but but but known and appreciated because most greatly feared, by every enemy of Canadian law between the Yukon and Cape Breton

Not very much has been written about them. The newspapers occasionally give the story of some particularly noticeable bit of work which has been completed, or a scribbling globtrotter divotes a line or two to the big six-footers in uniform whom he noticed at the entrances of public buildings in Ottawa, but the force does not seek publicity and if you try to inquire into their business you will meet with courtesy and kindness but very little news.

Long before Confederation the government of the old "Province of Canada" found it desirable to have a regularly organized constability to guard its buildings and property, and to nu this need the Dominion police came into existence. Di the early days its strength and dutes were traffing as compared with its present standing. C. J. Coursol and Gilbert McMicking were or years, joint commissioners, the former in Lower, the latter in Upper, Canada Coursol became a judge and McMicking provincial magistrate of Mauntoba and Colonel Bernard and Augustus Keefer C.M.G., were sole commissioners in turn. The latter died in 1885 and the vacancy was filled by A. P. Sherwood, who laid been deputy sherift of Carleton and chief of police of Ottawa . He was plain "Mr. Sherwood" then how he is designated as "Lieut Co-A. P. Sherwood, C.M.G., M.V.O., A.D.C., Chief Commissioner of Police for Canada.

Chief Commissioner Sherwood does not hunt ducks with a brass band,- but he gets the ducks. He has been directing the criminal-hunt for over thirty years and the success he ras throved is proof of the correctness of las methods

About a hundred and fifteen men compose the force just now — and most of them are engaged n the routine duty of guarding public property. Just how many millions of dollars worth of ectional assets are in their care, it is impossible to say. There are buildings in Ottawa worth thirty or forty milions, the contents of the Finance Department's vanits are said to exceed three handred fallions, there are vast stores of gold and silver at the Royal Mint and priceless collections of re and beautiful things in the Archives, the Victoria Museum and the National Gallery. Then here is the royal Governor General and his family and suite to be protected from mishan, and ecently the force was called upon to take over the guardianship of the royae dockyards at Halifax and Esquimalt

There are no divisions in the force beyond the gradations of rank. Every man, even the nunissioner's secretary its a constable. There are, however, three divisions of work, at the ead of each of which is an inspector. Denis Hogan is Inspector of Police with the unmediate ersight of the men. James Parkinson is Inspector in charge of the Secret Service work. I.L. Loster is the Juspe for or Criminal Identification, or which work he mes made special idy. Regarding criminal identification many volumes have been written. Canada ssesses a highly perfected system but the science is so progressive that every year ags some improvement of method. The finger-print system is at once the newest, the most rate and altogether the most wonderful discovery along this line. The digital impressions thousands of Canadian and foreign offenders are now on file in Ottawa. The collection is stantly growing and, as it grows, the way of the habitual transgressor grows barder. Mark am's tancoul "Pudd'uhead Wilson" is justified in the greatest crunimal-discouraging agency

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lation.

The Dominion policem is never knows what duty to more or may be uz. He may stand guard in the House of Commons, he may be detailed to guard some royal visitor be may be sent a thousand in a suito the North-West to bring in a criminal or a manner be may start for Lurope to return a tugitive suspect to the scene of his crime, or he may go in plain clothes to uncarth a gauge of counterletters. The boy scouts might have taken their motto? Be Prepared? From the Dominion police and lake the men of the mays, the constables are "avercady

They are big fellows, these sergeants and constables, and they have to have discipling, courage and brains as well as bone and inusele. Many of them wear army in dads as souvenirs of their country's service well done in other ranks than those of the police.

As Commissioner of Dominion Police and, lately, as Chief Commissioner of Ponce for Canada LieutsCol. Sherwood has had to cope with many special and sudden demands. When the Welland canal was dynamited, in 1900, he had not only to work up the case against the dynamitards but to organize a special lorce of constables for the protection of all the principal Canadian waterways. He and his men guarded the present King and Queen, when they visited Canada, from the arrival of their ship in Quebec harbour until the last tarewell was waved at their departure from Halifax. Famous election cases, counterfeiting, ender a clim it to Dominion officials, maltensance in public office blackmaning of public mentured all these and scores of small things make work for the Dominion police. There is no limit to the range and variety of them in trythes. Last summer they had to police the Banth national park. While this arricle was impreparation officers on secret service, after long tool and painful privation located and made a thorough clean-up of one of the most complete counterfeiting outlits and one of the most dangerous gaings that have operated in America within recent years. On the same day a constable on dury in the Canadian building in Ottawa detected, the disguise of a woman who had masqueraded in man's clothing for many months without arousing suspices.

Within the force the merit system is well recognized, but goverancent parsimony makes proper reward of good service impossible. The officer detailed for special service who does his work well is sure of the hearty commendation of his chief and will be remembered when there is special work to be done again, but the prospect of promotion and adequate remuneration is slight. On this account the force loses many of its abbest men. One officer, who resigned because he could not get beyond his pay of 83 a day, became chief of the police of a large Canadian city and is now the head of the investigation department of a great corporation with a salary grown five-fold. Surely, the Dominion police deserve more appreciation and better reward from the people and government of Canada!

### Royal Northwest Mounted Police

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It is were worked from a know what rist he dron that is too this seen ugay extray (good se of the Northwest Mounded Police as the finest expression as Carentan authoriday, or Scroot to some of the many writings setting feith what this organization is defined in this imposed to Prescables of the reafer sky up the work extitled. The Rides of the Plans A. I. Haydon. Three once looks into it, he will read it all for it ever that, proved itself t ( z ) transfer we and ten thousand times more falteresting at is in this record of that ars et tre adventiares of a body organizo) for dans-devil decas on tra lease of everyday work and the final field the movel reader seeks. The value of Ireleins in Autopean so struggle of the lone officer making his way through Arctic · mulis almost until inkable, the berow resent of the settler from no too the chase of the flying whisky probler is be rushes and the stalter which shall be his in becamble cross the maginary ear are a trope of power and responsibility cease. The cool the awtul nerve of clore powerper las les galle air par al les major person fuerais et disperipors forattest one acresco o reaging the school of the raw was collineases sharping by and assistent or test comments ers or a constructional risk tende mass, earling for the specificity to the risks believe their a

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A resettle work of the proble entropy to service streaming the case of the public realth and train cessors. A resettle work of the proble still goes on. Using the civilization which they have prome as the service of operations, they move outward to complet enest. And as they go that talk grows

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harder, for they have to establish their posts within the inner intrenchments which guard the citadel of the frost king. The great Napoleon met appalling disaster when he went against a northern people who trusted, not to their armies, but to the awful alliance of winter. The Mounted Police must succeed where Napoleon failed. Their tiny force must not only endure; they must win; they must lift, bodily as it were, the frigid zone and set it ever nearer, mile by mile, even foot by foot, farther away from the centres of population and nearer to the inviolable fastnesses of the Pole. Other adventurers have preceded them it is true—the missionary, the trapper, the trader, possibly the prospector, have worked their way into many an outlandish corner of the North. But these people bear only limited responsibilities, and, in almost every case, the cessation of their work affects only themselves. But the police cannot retreat from a post once established; because they represent the whole people of Canada. On Herschell island in the Arctic ocean, at Churchill, or north of Churchill on Hudson bay, and at points far toward Great Slave lake, the police posts and regular police patrols collect His Majes(v's dues, maintain His Majesty's laws and extend to Eskimo, Indian and white man alike the protection and assistance which civilization and ordered government afford. Territory where the police have been is territory redeemed from the thraldom of frost and desert; the police have won it and hold it in trust until the farmer and the city-dweller are ready to take possession.

Is it any wonder that the people of Canada are proud of the Mounted Police? And where is the man so churlish as to deny to the Canadian civil service the right to claim their share in this great work? For, while the greatest share of honour must fall to the statesmen who devised the system and have improved it from time to time, and to the Leroic police themselves who have carried out so magnificently the laws of their establishment, it should never be forgotten that always in Ottawa there has been an administrative office where men of the civil service have translated into the language of the practical, the plans which the statesmen could but put on paper. Had not this work been done with devotion, industry and good horse sense, supplies would have failed, discipline would have been made impossible or some other error would have been committed, bringing to naught the very best of plans and the most earnest work on the part of the members of the force.

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Nothing like even an outline history of the Police can be attempted here; a fact or two must suffice. The Royal Northwest Mounted Police was planned and its organization begun by that great statesman. Sir John A. Macdonald, during his first premiership of the Dominion. His idea of the part he wished to take in the work may be inferred from the fact that he appointed to the chief administrative office as comptroller, Mr. Fred. White, his own private secretary. A change of government came, but it made no change in policy or in executive men. The Commissioner, the man in command of the force, was Lieut.-Col. (now Major-General Sir) G. A. French, under whom the force was organized. In the forty-one years since then other able men have had command, and the police have never lacked competent leadership and direction. The present Commissioner is Lieut.-Col. A. Bowen Perry, C.M.G., under whose command the enlarged force in its widespread activities remains as effective as at any time in the past and maintains unbroken the high traditions that have been the glory of the force.

Throughout the first forty years of its history the force had the same Comptroller and Deputy head, Lieut.-Col. White. Too much praise cannot be given for the ability with which the affairs of the Pol.ce have been directed. On the retirement of Col. White in 1913, Mr. Laurence Fortescue, C.S.O., Assistant Comptroller and Accountant, was promoted to the position, Mr. Fortescue rose to his present position by sheer force of capacity. Under his direction the force maintains its splendid record of efficiency.

The Mounted Police now number 760 of all ranks. There is great need of a larger number of men as the residents and visitors increase and spread in the wild north land. But those in control of Canada's affairs find that every department of the public service, in this time of rapid growth, is making similar demands, and, so far, the requests for additions to the Mounted Police have not been fulfilled. The inside service in Ottawa comprises a bare dozen of men including messenger and packers. There is no department of the public service that can claim a higher efficiency in both field and office with so small a force and such moderate expenditure.

# Department of Finance and Treasury Board

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laim 'e. The Department of Finance was constituted by Act 32-33 Victoria, chap. 4, the Honourable A. T. Galt being the first minister. The organization of the department at this early date included the distinctive office of Receiver

this early date included the distinctive office of Receiver General, the first incumbent of the office being the Honourable Edward Kenny. By virtue of this office the Receiver General, as well as the Minister of Finance, was a member of the Treasury Board. In 1879 the office of Receiver General was abolished, and the Minister of Finance became, from that date, ex-officio Receiver General. The first Deputy Minister of Finance was Mr. John Langton, who held the office from 1870 to 1878, during which period he performed the duties of Auditor General as well. He was succeeded by Mr. J. M. Courtney, who, in 1906, retired from active service, and the present Deputy, Mr. T. C. Boville, took office from that date. Mr. Boville is one of the praiseworthy instances of the promotion from the Service itself of competent men to fill the highest positions.

Mr. T. D. Harrington was the one Deputy Receiver General, and he held that office from 1868 to 1878, the office being abolished, and the Deputy Minister becoming ex-officio Deputy Receiver General by the Act of 1879. The first Dominion Bookkeeper was Mr. Norris Godard, who held that office from 1867 to 1880.

The Assistant Deputy Minister is Mr. Henry T. Ross, who is also the legal officer of the department. Next in rank is Mr. J. C. Saunders, the Dominion Bookkeeper, who, under the deputies, is charged with the responsibilty of keeping the public accounts and with other duties to which a brief reference will now be made.

The "Bible" of the Dominion, as it is called, is under the immediate charge of Mr. Saunders Its real name is the Dominion Ledger. Herein is recorded the financial history of Canada since Confederation. Every surplus or deficit to the credit or debit of the Dominion is to be found under "Consolidated Fund." Here it will be seen that surplus has exceeded deficit by \$195, 000,000 since 1867. Here are found recorded the Suking Funds, and other investments, Specie Reserve, Capital expenditures on canals, railways etc., Subsidies to railways, all details as to the Public Debt, Dominion Notes. Trust Funds and a maze of miscellaneous and banking accounts. All this ancient and modern financial lore, the exactitude of which is so essential lies within the covers of a few books. Once a month it becomes the duty of the Dominion Pookskeeper to prepare a balance sheet of the country's affairs, especially as it has relation to the National Debt, a statement of which is published in the Canada Gazette. From Mr. Saunders' hand is also issued the Public Accounts of Canada, the preparation of which involves a task, the magnitude of which is little understood in the outside world.

Each department of the Canadian Government performs important functions for the public good. The special importance of the Department of Finance lies in the fact that all departments are dependent upon it for the means of carrying on their business. The Department of Finance is not divided up into autonomous branches as is the case in some departments, and the Deputy Minister rotains immediate supervision over the many and varied kinds of public service rendered by the staff. A large portion of the numerical force of the department is engaged in the task of administering the national currency of the Dominian, and for this reason, as well as on account of the responsibilities, and growing magnitude, of the work, a brief consideration of the duties performed by this branch will first be taken up.

What would we do without money? Even those who suffer from a paneity of coin of the realm, derive benefit from the fact that there is such a commodity as money, which contributes to the convenience and progress of the human race. Prior to the invention of an acceptable medium for the exchange of necessary commodities, people had to resort to the primitive method of barter. The inconveniences of such a system in these later days of swiftly moving events must be left to the imagination of the reader. The scientists of finance have provided splendid stems for the exchange of the produce of the world from hand to hand. If they could devise a scheme to unify international currencies, their task might be considered to be as complete as it is possible for human agencies to approach perfection.

The Currency branch was established in 1881, Colonel Fred. Toller being the first Comptroller. The branch receives Dominion notes from the engraver, which are handed over to the



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large staff of ladies, who affix their signatures in accordance with the law requiring one original signature on each note. The notes when thus completed are stored in the large vaults; the passing from hand to hand of so much currency necessitating sleepless vigilance and incessant checking to avoid error or loss. To meet the demands of circulation, the notes are forwarded as required to the offices of the Assistant Receivers General in the various provinces. The Mint, and these also are sent out to the offices as required. All smooth or mutilated coins are soiled or mutilated notes are also collected and destroyed. All smooth or mutilated coins are soiled or mutilated notes are also collected and destroyed. The branch also has responsibility standing in the hands of the public was, on January 31, 1914, \$124,759,314.15

The Comptroller is the custodian of valuable securities, such as the bonds deposited by insurance companies for the protection of policy-holders. The total amount of such securities, together with notes and specie held by the Comptroller, was, at the close of the year 1912, S293,049,882.94. The present Comptroller is Mr. J. E. Rourke, a native or the province of from the ranks of the outside service. It may be here noted that inclusive of the above amount held in custody and including currency held by the various Assistant Peccivers General in Canada, and securities held in London, the total amount held by the Receiver General and on

The Assistant Receivers General, each in charge of a sub-treasury on behalf of the Receiver I. H. Mathers.

I. H. Mathers.
Percy Pope
Robert Maxwell
City and District Savings Bank
David Creighton
H. W. Drummond
D. B. McConnan

Hahfax, N. S.
Charlottetown, P.E.I
St. John, N.B.
Montreal
Toronto, Ont,
Winnipeg, Man,
Victoria, B.C.

If for no other reason than its essentiality, the revenue functions of the department take a foremost place. A great number of the offices of the chartered banks in Canada are, in effect, sub-agencies of the Finance Department. On December 31, 1913, there were 3,008 such offices doing business. In each city or hamlet, some bank or banks are authorised to accept deposits to the credit of the Receiver General. By an efficient voucher system these revenues are reported. by civil servants all over Canada, to the Deputy Minister of the department concerned in Ottawa. Daily or periodically, each department sends a statement of revenue to the Department of Finance, and by a system of drafts, funds deposited in banks in remote parts of Canada are garnered and concentrated in the Ottawa branch of the bank concerned or in the head office. if there be no branch of the bank in the capital. There were on December 31, 1913, 24 chartered banks, and this department employs 19 of them for the purpose of collecting revenue. A splendid scheme has been devised to facilitate the handling of the revenue, which on some days amounts to a million and a half dollars. The congested mass of documents is sorted, vouchers made chargeable to the respective banks, and at 12.30 p.m. each day remittances are on the way to the bank in Ottawa by special messenger, or by the mail to the head office of banks not having an agency in Ottawa, and the cash and statements are put through the various ledgers of the department. The total amount of cash handled by the Revenue branch during the year 1912-13 was 8286,251,306,81. The Expenditure branch issues cheques, after proper authorization, for all the expenditures of the Dominion, including re-payments of Letter of Credit cheques. A record of the daily revenue is received from the Revenue branch, and a statement showing the amount of cash to the credit of the Receiver General in 19 Canadian banks and in the Bank of Montreal, London, is placed on the Deputy Minister's desk at the close of each

Closely related to the two foregoing branches, is the system that is justly the pride of the department, known as the "Ten Day Ledger." This system has been developed by a gradual



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THOMAS COOPLE BOVILLE. DIFFLY MISSISTER OF FINANCE

evolutionary process; the names of Nutting Dickieson, and Fraser now Auditor General) being associated with its establishment. The scientific efficiency of the system may be judged from the fact that three times in each month, on the 10th, 20th, and the last day, a statement of the financial affairs of the Domanion for the current fiscal year is placed on the desk of the Deputy Minister four or five hours after the close of business for the day. A certain wellknown banker once visited the department in the capacity of investigating commissioner, and upon being shown the system and the results it produced, could give expression to one ejaculation only. It was "Maryellous" maryellous! In connection with this work there is kept the Appropriation Ledger, being a distribution, according to appropriation, of all expenditures made under Parliamentary senetion. Both these important tasks have long been faithfully

The management of the Public Debt is an important feature of the Finance Department's work, though the scope of the present article is too limited to deal with its various runifications The funded debt payable in Canada is made up wholly of inscribed stock, and the payment of the interest is one of the doties entrusted to the care of Mr. W. L. Blair, a gentleman with a long and faithful official reco. (). At the end of the year 1912-13, the amount of the fundea debt payable in Canada was \$2,190,218.01. The great proportion of the funded debt is payable in London: the amount outstanding at the end of the year 1912-13 being \$258.679.819.47. The payment of the interest on this large amount is managed on behalf of the department by the London branch of the Bank of Montreal. A large amount of this debt is composed of Inscribed Stock, but in years gone by a much greater proportion consisted of debentures; the coupons being made returnable to the Finance Department for the purpose of inspection and adjustment. Older members of the department remember the visit of a commissioner of investigation some years ago who, asked to be shown the Coupon branch, expecting to find a large room full of clerks, busily engaged in checking coupons. He was introduced to an old and worthy member of the department, and was informed that "This is the Coupon branch." He would hardly credit the information until he was shown it—admissment of the coupons of all the various great loans made by the Dominion.—The name of the old servant of the Crown referred to is Mr. John McNicol, since retired after forty years continuous service.

The original Government Savings Bank system was founded by the Department of Finance though its operations have been somewhat restricted, as a matter of Government policy, by the growth of the Post Office system. There are now only fitteen of these offices in the Dominion. with a total balance on deposit on December 31, 1913, of nearly 814 000 000. The returns from these offices have to be carefully checked and verified by the officers of the department. The great number of cheques issued under various departmental letters-of-eredit are sent to this department for adjustment and the amount of work involved may be realised from the fact that the cheques to be handled number nearly a million in the course of a year. The checking is very thorough, and any irregularity is at once detected. The ledgers containing the mdividual accounts for those contributing to the Retirement Fund are kept in this department. Nine thousand accounts were open in these ledgers on December 31, 1913, to which interest is added semi-annually; the accurate balancing of these accounts requiring care and well-perfected systems of accounting. Mr. G. W. Hyndman has the immediate charge of this work.

The necessity for keeping and issuing statistics will be readily conceded in the case of this department, and so we find the statistical officers compiling bluebooks containing lists of shareholders of the chartered banks, lists of unclaimed bank balances, etc. The department also put lishes monthly statements in the Canada Gazette, such as Assets and Laabilities of the Dominion. Revenue and Expenditure, the Circulation of Dominion Notes, the Gold Reserve, Savings Banks' statements, and a compilation of the monthly returns of the banks, as required by law. Mr. S. J. Jenkins is the officer in charge of Statistics.

All the departmental contingencies, including the employment of the small army of charmen and women engaged in all public buildings in Ottawa, are administered under the hand of E. L. brittain. The business of inspection and adjustment is a constant one in a department con-

Since the Honourable W. T. White became Minister of the department, a Tariff branch

has been organised, which promises to be a most useful advisory board to the Minister in the very intricate problems involved in tariff questions.

The work of receiving, co-ordinating and publishing Main and Supplementary Estimates for submission to Parliament is performed by officers of the department. The wonderful expansion of Canada's business has made the preparation of the Estimates a work involving a great and still increasing care and responsibility. The performance of these duties is entrusted to Mr. J. R. Forsyth. A system of book? Sing is necessay in the department to properly record receipts and payments in connection of homeometrics. This fund consists of deposits made under the law requiring that each tender for public contract be accompanied by a cheque for 5 per cent, of the amount of contract. The amount to the credit of this account at the end of the year 1912-13, was 86,108,072. A Savings Bank account is kept for each individual deposit.

#### The Treasury Board

In the original Act constituting the Department of Finance, the Treasury Board appears both in the title and the text. The functions of the board, however, appertain solely to administrative duties performed on behalf of the Governor-in-Council; the Chairman, the Secretary and the clerical staff of the board being members of the department. As constituted, in 1869, the board consisted of the Minister of Finance, the Receiver General, and the Ministers of Customs and Inland Revenue. At the present time, the board consists of the Minister of Finance and any five ministers, to be nominated from time to time by the Governor-in-Council. The Minister of Finance is the chairman, and the Deputy is secretary ex-officio. Important statutory powers are vested in the board, one of which is that on the recommendation of the board, the Governor-in-Council may prescribe the manner in which each department of the public service shall keep its accounts. The board is a sub-committee of Council, to relieve the larger body of much detail, and its functions in that regard formed an important feature of Sir George Murray's recent report on the Canadian service.

# Ottawa Branch of the Royal Mint

Money is supposed to be an unemotional, unfeeling substance, yet it plays an indispensable part in all the romances of life. It builds the manor-house of the nobleman, and the cottage of the peasant, that love may have an abiding place. It builds all places

peasant, that love may have an abiding place. It builds all places of residence, except the "Castle in the Air." The story of the metal from its natural resting place in the earth to the pocket of the multi-millionaire or the civil servant is full of lively interest. The prospector finds the "float" on the mountain side, or a "colour" in the gravel of a creek. The "lead" or "paydirt" is located. The "proposition" is sold to a company. A mining town springs up. The output is sent to a smelter. It arrives at the Mint in Ottawa, is assayed, refined and settled for at a modest charge. The gold and silver being refined, copper to the proper proportion is added, and the coins are struck and sent to the Currency branch; thence passing through the pocket of the king or the beggar, indiscriminating in quality even though it be disproportionate in quantity.

The Ottawa branch of the Royal Mint is not under the control of the Canadian Covernment. The service rendered, however, is for the Government and people of Canada. The relations between the Department of Finance and the branch of the Royal Mint are so intimate that it is desirable to record some interesting data respecting the part the Mint takes in the circulation of currency in Canada.

The Ottawa branch of the Royal Mint was instituted under the provisions of I Edward VII, chap. 4, the "Ottawa Mint Act." The first Canadian coin struck on Canadian soil was struck January 2, 1908. The operation of the Mint is under the control of the Royal Mint, London. The Deputy Master and all officials and employees are appointed by the British Government, and the regulations governing the administration are issued by the Home Government.

The Canadian Government, on the other hand has the sole right to authorize the amount and denomination of the gold, silver and prouze come to be struck. Under the provisions of the Mint Act, an annuity is granted for the purpose of defraying the salaries and other expenses of maintaining and operating the Mint. The annuity is now \$110,000. The Mint's close proxis unity to Canada's Treasury Department has greatly tacilitated the means for supplying the demands of the banks and the public for the inetallic currences. The existence of a Mint in Ottawa provides a further onvenient opportunity for the re-coming of smooth and mutilated silver and bronze. Since the manguration of the Mint on January 2, 1908, to December 31 1913, silver and bronze coms have been struck to the value of 86 709,339,62. During the same period gold coins, sovereigns and ten and five dollar Canadian coins have been struck to the



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As the Mint is not in every respect a department of the Canadian Government, a particular description of its operations will not here be attempted. Some of the many highly technical features involved in the work of the Mint are, the chemical analysis in the course of assay. the electrical and other processes for separating the precious metals in the refinery, the duty of the assayer to check the "fineness" of all coins the delicacy of the scales that detect the c part of a grain in the legal "remedy" of a coin, and the system of the daily check to ensure ex-

The Mint is one of the most interesting places in Ottawa, and is a popular resort for visitors to the Capital.



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JOHN FRASER
ACRITOR GENERAL

### Office of the Auditor General

THE Consolidated Revenue and Audit Act came into force on August 1, 1878, when Mr. John Lorne McDougall, the first Auditor General of Canada, assumed office. From Confederation until July

31. 1878, the Public Accounts were audited under the supervision of Mr. John Langton Auditor of Public Accounts, who also held the position of Deputy Minister of Finance. On July 31, 1905, Mr. McDougall was superannuated and Mr. John Fraser, Accountant of the Finance Department, was appointed Auditor General, and still occu-

Chap. 24 R. S. C. 1906 enacts as follows: "The Governor General may, for the more complete examination of the public accounts of Canada, appoint an officer, under the great Seal

"The Auditor General may suspend or remove any of the officers, clerks, and others employed in his office and subject to the provisions of the Civil Service Act, may promote any of the officers and clerks in his office.

"The Auditor General shall hold office during good behaviour, but shall be removable by the Governor General on address of the Senate and House of Commons.

The Auditor General has to examine and report to Parliament on all the expenditure and revenue of the government. He has to see that no cheque shall issue for the payment of any public money for which there is no direct parliamentary appropriation. No payment shall be authorized by him, in respect of work performed or material supplied, unless he has proper certificates that the work has been performed, or the material actually supplied, and that the price charged is fair and just. He shall report to the House of Commons any case where cheques have been issued without his certificate, or a grant has been exceeded, or where a payment has been in any way irregular. He may examine any person under oath or affirmation, on any mafter pertinent to any account submitted to him for audit, and he has power to summon witnesses from any part of Canada for examination in connection with such account.

The staff of the office consists of ninety officers and clerks, who are required to audit and examine accounts for about \$175,000.041 expenditive and a somewhat similar amount of revenue, as well as other accounts such as public debt savings bank, money order, etc., making a total aggregate of eash transactions of about \$700,00000) per annum.

This compilation produces a book of about 2600 pages, showing in very minute detail the items which make up these immense sums. a book known as the Auditor General's Report. It is stated that no Parliament in the world has its audited public accounts laid before it in such minute detail as has the Parliament of Canada. To enable the staff to properly examine and criticize these large transactions, the members of it must be well informed on a great variety of subjects, such as law, architecture, engineering, interpretation of contracts, the arts of war, Acts of Parliament, treasury regulations, prices of lumber, hardware provisions, railway fares, routes of travel, mathematics, bookkeeping etc. and judging by the correspondence, they must know when it is allowable to purchase a box of pens outside of the stationery office or allow payment for "rock bottom" in the construction of the Transcontinental railway.

A glance at the Civil Service List will show that there are nineteen clerks who are entitled to write B.A. after their names, which shows that their educational qualifications are of a high character.

### Department of Insurance

In a Plakant of Philip II to his Kingdom of Holland, dated 1570, the following passage occurs:

"-- and to guard against abuses, fraud, deceit and crimes

"that are committed by the insurer as well as by the insured on "the lives of people; also against betting on voyages and such like things; we hereby "prohibit the insurance on the lives of people as being contrary to the common good welfare

To illustrate the change in the attitude of governments towards insurance since King

Philip's time, the following may be quoted from the first section of the British "National Insurance Act of 1911" compounds called the "Lloyd George Act."

"all persons of the age of sixteen and upwards . . . . shall be . . . . . insur d in manner "provided in this part of this Act . . . ."

These quotations fairly reflect the ideas in the minds of statesmen in their respective periods. In the former period, insurance of all kinds was frowned upon as a form of speculation akin to gambling; in modern times it is by all governments encouraged and by many made compulsory.

But while insurance now enjoys so large a measure of popular favour, it has been found necessary for governments to supervise the operations of the companies engaged in the business, and in practically every modern state departments of the administrative government are specially constituted for this purpose.

The Insurance Department of Canada was created is a branch of the Department of Finance by Act of Parliament passed in 1875

Professor J. B. Cherriman, then Professor of Mathematics in the University of Torol, was appeinted in that year Superintendent of Insurance. "An Act respecting Insurance Companies" had been passed in 1868, but up to the time of Professor Cherriman's appointment, it had been administered directly by the Department of Finance. Mr. Cherriman remained in office for ten years until July 1, 1885, and the present Superintendent, Mr. William Fitzgerald, M.A., succeeded to the position on December 1 of that year. By the Insurance Act of 1910, the branch was constituted a separate department with the Superintendent as deputy head acting under the direction of the Minister of Finance.

The earliest bluebook in the department containing the statements of insurance companies in Canada it that for the year 1872, compiled for the Minister of Funnce by John Langton auditer. It contains the statements of 21 fire companies carrying about \$250,000,000 of insurance, with a premium income of about \$2,600,000, and of 30 life companies carrying about \$60,000,000 of insurance, with a premium income of slightly over \$2,000,000. Of accident, sickness, guarantee and all the myriad forms of insurance with which we are now familiar, there is not the slightest mention.

From the report of the department for 1912, forty years later, it appears that fire insurance was transacted in that year by 80 companies carrying \$2,684,355,895 of insurance, with a net premium income of \$23,194.518, and that life insurance was carried on by 63 companies and assessment societies, the amount of insurance in force being \$1,215,222,056, and the net amount received for premiums and assessments, \$38,130,087. There were also 58 companies engaged in transacting accident, sickness, burglary and other miscellaneous classes, many of which, however, transacted fire insurance as well. The total number of companies under the supervision of the department as at October 1, 1913, was 179.

These companies are located from Halifax to Vancouver, and the head office or chief agency of each is visited by the department's examiners at least once, and in some cases several times, every year. Their financial statements are verified or corrected, their securities examined, and liabilities carefully ascertained. Securities of these companies amounting to about 870,000,000 are deposited with the receiver-general for the rotection of policyholders.

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The department publishes annually, usually in Ma; an abstract of the companies' statements for the preceding calendar year. Later in the year the full report containing the detailed statements is issued. There is also published in a small volume for the convenience of the public a short report containing revised tabular matter appearing in the abstract as well as much interesting miscellaneous information.

Canadian insurance men boast that theirs is the strongest and cleanest business in the country because such a thing as the failure of a Dominion-chartered company is almost urknown and no such failure has ever caused loss to the insured. This fact is a tribute to the ability the devotion, and the good common sense of the staff of this department. And the smallnes of the staff in proportion to the work accomplished speaks volumes for the industry of it members and the organizing ability of those who manage its operations; there are but sixter officers, all told, in this department, all of them at headquarters in Ottawa and all in the inside service.

### Department of Militia and Defence

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It is necessary to go back as far as the year 4618 to find the test inditia organization in this colony, at a time when the whole white population did not exceed 600 persons. This primitive

trail between Montreal and Quelier against mar inding frequents bands. In 1651 a sort of home organization took the form of a flying, amp in order to patrol the guard existed in Three Rivers and Quebec and squads were drilled in Montreal after 1663

In 1673 Frontenae inaugurated a system which was in force for nearly a hundred years, Every man able to bear arms was enrolled; a captain being chosen to take charge of each parish, The men were trained in shooting and in ambush a la samaar. These early militiamen were, in action, thrown each upon his own personal unitrative, and they proved themselves far more efficient under the conditions of wartare than European trained soldiers. Thus during the last hundred years of the French regime the colony was an armed camp. The inhabitants were at home with the gun and needed no training in regard to rounning the bush, paddling canors

After 1763 this system of "volunteer-conscription" and general preparedness for war was superseded to an extent by system of towns garrisoned by the Imperial Government. For it must be borne in mind that, war or no war, every country is require an keep some kind of a strong organization in case of riot, rebellion, strike or other disturbances, such as laye or unred

A visitor to the East Block of the Parliament Buildings. Ottawa, in the year 1869 [migl]. have observed a room, near the Governor-General's office, containing three or four persons, and upon inquiry would have been informed that it was occupied by the recently created Department of Militia and Defence for the Dominion of Canada. Such was the humble beginning of the present Department of Militia and Defence.

Prior to Confederation, each of the provinces then existing had its own militia organization for the administration of which it was entirely responsible. By the Act of Confederation the control and administration of the Militia passed from the provinces to the central Government. and the Militia Act, passed by the Dominion Parliament in the year 1868, authorized the formation of a Dominion Militia and set forth the manner in which it was to be organized and administered. Sir George Etienne Cartier was first Minister of Militia.

No radical change took place in the organization and administration of the Militia until the year 1904 when by an Act of Parliament, the appointment of Officer Commanding the Militia, which had hitherto been held by an Imperial Officer, was abolished and the Militia Council, an advisory Board to the Minister of Militia and Defence, was established.

By the same Act certain changes were made in the administration of the Militia whereby higher commands were created by grouping together several Military Districts under one officer and thus decentralizing to some extent authority heretofore retained at headquarters.

In the year 1906, upon the withdrawal of the Imperial troops from Halifax and Esquimalt. the defence of the country was left entirely in the hands of the Dominion Government.

The Department of Militia and Defence is divided into two sections- the Civil and the Military. The Militia Council consists of the following members. The Minister (President ex officio), the Deputy Minister (Vice-President ex officio) the Chief of the General Staff, the Adjutant-General, the Quartermaster-General, the Master-General of the Ordnance, and the Accountant and Paymaster-General. The Assistant Deputy Minister acts as Secretary. The Minister is the head of the Department, and the other members of the Militia Council are each charged, under him, with a certain branch of the administration.

The duties allotted to the various members of the Militia Council are, briefly, as follows:-Deputy Minister: Interior economy of the Department, administration of votes, administration of contracts, purchase of lands for military purposes.

Chief of the General Staff: Training education, he also advises on all questions of general military policy.

Adjutant-General: Organization, establishments, personnel, discipline, honours and 16-



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gards, distribution of troops to stations, mobilization, administration of the Royal Military College. Through the Director-General of Medical Services, all medical and sanitary questions are answered.

Quartermaster-General: Issues of clothing and equipment, custody of all stores, transport, veterinary services,

Master-General of the Ordnance: Maintenance of armament, construction of fortifications, drill halls and rifle ranges, administration of Dominion Arsenal, provision and inspection of guns small arms, ammunition, artillery and engineers, technical stores and vehicles, maintenance of military properties.

Accountant and Paymaster-General: Receipt and disbursement of public money, audit of

all Militia expenditure, also of stores.

As regards the military Divisions and Districts, each Division or District is administered by an Officer Commanding who is responsible to the Minister of Militia for all matters affecting the Militia under his command.

In the year ended March 31, 1913, the establishment of the non-permanent Active Militia, all ranks, was 66,362, and the Permanent Militia (who act as Instructors and also garrison Halifax, Quebec and Esquinvalt) 2,900, making a total of 69,262. 48,213 troops were trained in that year. In addition to the instruction carried on at Permanent Schools, 45 Provisional Schools of Instruction were held throughout the country, and 3,023 certificates were issued. The Department also supervised some 600 civilian Rifle Associations and provided monetary aid.

It is no small task, in so vast a country as Canada, to properly administer and train a force of nearly 70,000 men. The work entails the provision of qualified instructors, also the necessary clothing, arms and ammunition, arrangements for the transport of troops to and from camps of instruction, the laying out of suitable training grounds, the construction and maintenance of Drill Halls and Rifle Ranges, contracts for the supplies required, and the carrying out of numerous other details incidental to the administration and training of the force. In addition, a suitable scheme of defence must be planned, fortifications erected at strategic points, and permanent garrisons provided at Halifax, Quebec and Esquimalt.

A concrete example of the work carried on by the Department can be furnished in con-

nection with the organization of a new unit:

On authority being granted by the Governor General in Council for the organization, the Officer Commanding the Division or District is instructed to submit the names of those recommended for appointment as officers. Arrangements have to be made for their instruction to qualify for the various appointments they are required to fill. Orders have to be given for the recruiting, and provision made for the instruction of such recruits as it is intended to promote to non-commissioned rank. Armoury accommodation, in which the clothing and equipment is to be stored, has to be provided and a caretaker appointed to look after the same. The issue of the arms, clothing and other technical equipment, according to the branch of the service, has then to be made. If the corps is a rural one, arrangements must be made each year for its transport to and from a camp of instruction, and for the feeding of all ranks in camp and medical care while there, in addition to instruction given. It will thus be seen that each branch of the Department is called upon to carry out certain duties in connection with the work.

In addition to the Militia, the Department is also devoting great attention to Cadets. In the year 1942, the practice of training cadets in local camps under military conditions, was inaugurated. That year some 7,000 cadets attended camp. The strength of the Cadet Corps on March 1, 1913, was 759 companies, comprising 30,300 cadets, an increase of 267 companies

and 44,050 cadets over the year 1911.

Closely allied to the cadet movement is the Strathcona Trust for the physical training o school children, and the Militia Department has undertaken the work of the instruction of the school teachers throughout the country in the system of physical training adopted under the Trust.

Mention must be made of the Royal Military College at Kingston, an Educational Institution of which Canada may well be proud, and which is administered by the Departmen

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of Militia and Defence. Commissions in the Imperial Service as well as in the Canadian Permanent Force are offered annually to graduates of the College. The majority of the graduates, however, go into civil life (some taking advantage of the opportunity offered by the Dominion Government of employment as Civil Engineers and Surveyors in the Civil Service) as besides instruction in military subjects, the Cadets are taught Civil Engineering, Surveying

In conclusion it may be stated that, during the past forty or fifty years, there have been numerous calls made upon the militia to quell disturbances, chief amongst which may be noted the Fenian Raids of 1866 and 1870, the Red River Expedition, the North-west Rebellion of 1885, the South African War, and, on many occasions, the maintenance of Civil Power.

The spirit of patriotism and devotion of the Canadian people to Canada and to the Empire needs no demonstration. It burst out, through the medium of the Militia in 1866 during the Fenian excitement and in 1899, during the South African War. A military event excites a sudden emotion and inspires a new animation, not of defiance, but of strong self-reliance. Canada's Militia serves another valuable purpose in the training the youth of the land undergo. Cadet Corps are now in full activity, and there is no limit to the amount of good that may be done in this way. The spirit of discipline, deportment, order, cleanliness and other advantages resulting from this class of training cannot be too much appreciated. Future generations will attest to the value of these new schoo's in producing a superior race of men and women.

## Department of Trade and Commerce

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THE Department of Trade and Commerce dates its existence from 1892. Doubtless the need of such a branch of the public

crystallized in an Act wherein it was declared. "There shall be a Department called the Department of Trade and Commerce," For over five years the Act was domant, but at length, at the close of 1892, it was brought into effect by proclamation and, forthwith, the new department commenced a career of such varied usefulness as to cause wonder why its creation

Sir Mackenzie Bowell was the first Minister and his successors number only three.—Hon. W. B. Ives, Right Hon, Sir Richard Cartwright and Hon, George E. Foster. Few departments can boast of so distinguished a line of parliamentary heads.

The laying of the foundation of the department was the work of William Grannis Parmelce and to his ability and arduous labours is due the building up of that organization which, though small in numbers, constitutes a system big enough to reach round the world and to serve the interests of Canadian commerce wherever men exchange goods for gold. Mr. Parmelee had been, first, a banker, then Assistant Commissioner of Customs, and from these vocations he brought a varied experience, invaluable to the mfant institution committed to his care. For sixteen years it grew and developed under his guidance and when, in 1908, he resigned the charge to other hands, the establishment which he left was tribute to the merit which had won him the decoration of the Imperial Service Order. In his retirement Mr. Parmelee still enjoys the rest and recreation torbidden during the responsibilities of thirty-live years public service

The second, and present, deputy minister is Mr. F. C. T. O'Hara. Mr. O'Ha a was trained in the department and during twelve years, when he occupied the responsible posts o edical clerk, private secretary and superintendent of commercial agencies, he gained an experience of its diversified functions which fitted him for the high place to which he was called. His regime has been marked by many changes and developments and by a great increase of the work

Trade and Commerce 'is a very wide term. It might be field to cover all matters of production and consumption, transportation, communication and even finance,—for are not all these auxiliary to trade? The government gave evidence of its appreciation of this broadness



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HON GLORGE ELLAS FOSTER MINISTER OF TRADE AND COMMERCE

of scope when it abolishe? the ministries of Customs and Inland Revenue and placed those departments under the Minister of Trade and Commerce. After a time it was realized that Trade and Commerce involved care enough for one munster without those branches, and they were restored to their former dignity of independent departments. Other branches have been added to Trade and Commerce and again separated. The Chinese immigration control was a t oublesome responsibility from 1892 until 1911, when it was handed over to the Department of the Interior. Sir Richard Cartwright founded the Old Age Annuaties system and its administration was a part of the work of the department until its recent transfer to that of the Postmaster-General. Broadly speaking, the department's energies are now concentrated upon the development of Canada's foreign trade, upon statistical work, upon the administration of the steamship subvention, grain and staples inspection and bounty systems and upon the enforcement of the Gold and Silver Marking Act.

The Trade Commissioner Service is the most widely-spread organization under the governn ent of Canada. Its field of activity is the whole world. In Auckland and Melbourne, in Yok hama and Buenos Ayres in Mexico, China and South Africa in the West Indies in the British Isles and in the important centres of Europe are to be found the trade commissioners and commercial agents, men whose business it is to find out and direct the utilization of every possible opportunity for the extension of the foreign trade of Canada. Their offices are the agencies of Canadian manufacturers and exporters and their reports are the guides by which Canadian goods find the way to new fields of popularity and demand. This service is now in charge of Mr. Richard Grigg, Commissioner of Commerce, who, prior to becoming a Canadian official, was British Trade Commissioner in Canada. Mr. Grigg had an important part in the negotiation of the Canaca-West Indies trade agreement, was chairman of the special commission which investigated go erament statistical methods in 1912 and during the summer or 1913 made a round-the-world trip in the interest of the department, spending several months in China and Japan and returning via the trans-Siberian route.

To make easy and sure the means of transportation from Canada to foreign lands, the government established, many years ago, a system of steamship subventions, or subsidies, and Trade and Commerce has administered the service since 1892. The payment of a sum voted by Parliament for this purpose is not the simple matter that one unacquainted with the procedure might suppose. Every subsidy is based upon specific requirements as to the slap or ships to be employed, their tonnage, their freight, passenger, mail and cold-storage accommodation, their speed and the dates of their sailings and arrivals. That these conditions are complied with in all respects has to be certified to for each and every trip by the captain of the vessel and by the collectors of Customs at the ports of call. The checking of these returns, watchful care that they comply with the specifications of the contract and the computation of deductions in case of failure, is one of the important lines of work carried on in the Accountant's office under the personal supervision of Mr. T. J. Cede, Cluet Accountant and Assistant Deputy Minister. Mr. Code is a civil servant of thirty-one years' experience and has been an official of the Department of Trade and Conmerce since 1904, previous to which Le was connected with the Department of Custons. During 1913 the payments on account of steamship subsidies totalled 82 232,601. divided among sixty-eight contracts. These figures are some measure of the magnitude and responsibility of the work. Subsidies vary in amount from the 8600,000 paid to a trans-Atlantic line to the 8600 allowed for a service from Pelee Island, in Lake Eric, to the mainland, Subsidized lines now connect Canada with the British Isles, France, the West Indies, Central and South America, Australia, New Zealand, Mexico, Newfoundland, South Africa, China and Japan, and a number of coasting and inland lines are also receiving assistance.

The payment of bounties is hedged about with safeguards against irregularities not unlike those connected with the steamship subventions. Bounties are allowed on lead and crude petroleam produced in Carada and were paid until recently on manufactured steel and binder twine, the various industries are carried on under the keen eyes of the department's inspectors. All claims for bounties have to be certified by these officials, but all the computations are checked n the accountant's office before payments are authorized. The expenditure on bounties in 1912 was over half a million dollars disbursed in 1430 separate payments after each claim had some through the various tests as to its validity. Formerly, bounties were allowed on



FRANCIS CHARLES TRENCH O'HARA Deputy Manister of Trabe and Commerci

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From the beginning the department undertook important and extensive statistical work. Tables summarizing the trade of the Dominion and providing illuminating comparisons were a feature of the very first report. This line of work has grown enormously and is now the specialty of a division of the department known as the Trade Statistics branch, of which Mr. W. A. Warne is chief. Mr. Warne has devoted his attention to this work for eighteen years. Twentytwo annual reports have been issued and that for 1912, consisting of seven parts, totals 2174 pages. Four of these parts are entirely and a fifth mainly, the work of the Trade Statistics branch.

In 1895 the department undertook the publication of a quarterly report. This met with such tayour that, after four years' existence, it was changed to a monthly bulletin, the first issue of which appeared in July 1899 - In fourteen years this infant venture has grown into a leading factor in the collection and descrimation of Canadian commercial information and the thin pamphlet has expanded until it now contains well over two hundred pages a month.

The demand for early and full ratormation on trade conditions and developments at home and abroad is so constant and urgent that the department in 1906 launched another publication the weekly report. This report, edited by the Private Secretary's branch, is devoted to the reports of trade commissioners, to the latest trade news from other sources and to statistical summaries supplied by the Trade Statistics branch. It averages over thirty-two pages a week and its appearance, each Monday is eagerly awaited by subscribers in all parts of Canada.

The annual, monthly, and weekly reports issued during the year include a grand total of over seven thousand pages of statistical and other information, and deal with a Canadian trade exceeding three million dollars for every day in the year.— a total for the twelve months of more

The necessity of accurate trade statistics to the statesman, manufacturer, importer or exporter, to the transportation companies and to every student of the progress and development of Canada, is apparent from the most casual consideration, but the enormous amount of work involved in preparing such reports, insuring their accuracy and keeping them up-to-date can be understood only by those who have been engaged in similar undertakings. Yet, comprehensive and exhaustive as these statistics appear to be, they do not anticipate every need of the thousands of persons who make use of them, and a constant stream of demands from every conceivable source pours into the department, requiring speedy replies and the preparation of

In connection with the publication of statistics of the trade of foreign countries in the monthly and annual reports, the branch maintains a private library of official commercial reports from all parts of the world, and has accumulated a store of valuable books of many of which there

When a Canadian exporter wishes to sell a line of goods in a part of the world where he has not been doing business, one of the first things he wants to know is what duty the goods will have to pay on importation into that country. On the tariff rate may depend the success of his enterprise. For information he turns to the Department of Trade and Commerce. The Trade Statistics branch has on file the latest tariff schedules and regulations of a hundred and sixty-seven countries, published and translated by the International Customs Tariff Bureau, as well as many special works dealing with the Customs tariffs of the world. Requests for information of this sort are numerous, and prompt compliance with them demands much attention from the staff of the branch.

The negotiation of a trade arrangement between Canada and another nation, such as those which have been made with I rance. Germany, Italy, the West Indies and other countries during the past few years, throws a heavy load of extra work upon the Trade Statistics branch, for to that staff the ministers, members of Parliament and other interested persons look for much of the information which will enable them to analyse the existing trade and circumstances and draw necessary inferences as to what would probably develop under changed conditions. During the lamous Reciprocity debate in the House during the session of 1911, no small part of the "ammunition" used by the debaters on both sides came from the Trade Statistics branch.



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and many a member who received credit in the press and in his constituency for his masterly analysis of the situation was merely teading statements prepared by a group of high-known

A line of work yielding splendid results and offering great possibilities to Canadian compurreial interests is that of the Trade Inquiries branch, operated in connection with the Trade Commissioner service and the weekly report. The trade commissioners in torong Lines. collect inquiries from commercial houses wishing to purchase aftern lines of Canadian products, to find markets for their own goods in Canada, or to seems Canada in agents for their businesses. The commissioners report these queries to the depart out they are published in the weekly report and thus come before the eyes of thousands of Canadian business men Those interested inquire further, and the department brings imported and exporter, buyer and seller, producer and consumer into direct communication, thereby opening numerous lines or trade. Under the stimulus of such methods as this, it is not surprising that Canadian trace

All over the world to-day the name "Canada" calls up the thought "wheat", "Our lady of the snows" is replaced by "the granary of the Empte". Not alone for the vastness of her wheat fields but even more for the excellence of their products is the Dominion Lancel. "No 1 hard" is the standard food of Europe - all other grains are measured by their relation to that famous

It is not by chance that Canadian wheat leads the world to-day. Soil and climate produce the grain, but unsleeping vigilance is required to insure that it may land in British bake-sloptrue to name and equal to its high repute. This is a part of the work of the Department of Trade and Commerce. Formerly, grain inspection was the responsibility of the Department of Inland Revenue, but in 1901 the government very wisely transferred it to the department which has to do with the extension of Canada's trade in the Dreign market. With the work, Trade and Commerce received from Inland Revenue an official who has been a civil servant for thirty-one years and identified with the gram inspection for the long period of fourteen years Mr. John Byrnes. As head of this branch Mr. Byrnes is the laib upon which the great western grain inspection system revolves. In the elevators, warehouses and railway yards, from the Rockies to the head of the lakes, a corps of forty-eight trained inspectors examine and grade all grain for export, and their returns and reports pour into Ottawa in a continuous stream. To better facilitate and control this work, the government, in 1912, passed the Canada Grain Act.

By that Act was created the Board of Grain Commissioners consisting at present of Professor McGill, Mr. W. D. Staples and Mr. J. P. Jones. Upon them rests the heavy responsibilities of fixing grades as defined by Act of Parliament, controlling inspectors and inspection, licensing elevators and deciding upon the sites of the elevators of which the government has found it necessary to undertake the erection, in order that there may be easy and ample outlet for the ever-increasing crops. A moment's reflection upon the supreme importance to Canada of her western wheat business brings to realization the vital character of this great system of During the year ended August 31, 1913, the department officials inspected and graded a total of 189,000 cars of grain, amounting to 238,425,000 bushels.

To the duties of the Inspection branch have been added the inspection of hunber, timber, hay, hides, oil, ashes and fish for export. Lake the grain inspection, this work has to be carried on where the articles are shipped, but the whole organization centres in the little office of the

Attached to the Department of Trade and Commerce, yet having a distinct organization and function, is the Census and Statistics office. The census is a very ancient institution. The oldest book of scripture records enumerations of the chosen people which surely come under this head. The Romans amplified the idea and perfected it to a great extent, but during the Middle Ages it was dormant. The modern census in the British Isles dates from 1801. In America, enumerations of the people of the colonies, both French and English, were numerous and more or less accurate. The United States census began in 1790 while the system developed independently in each province of the present Canada up to the period of Confederation.

At the creation of the Dominion a corps of statisticians was employed for several years

in abstracting and tabulating information from the old provincial records. Since then, five general decennial enumerations have been made, viz: ~1871, 1881, 1891, 1901 and 1911. The first Dominion census was also memorable because it was a part of the first regular census of the British Empire. The numbers of persons required as enumerators in these several undertakings give, in themselves, a measure of Canada's great growth. In 1871, 2789 were employed and the increases have been continuous. 3183 in 1881, 4324 in 1891, 8800 in 1901 and in 1911 it took 9703 enumerators to count the people of the Dominion, their lands, crops, animals, houses, factories, wages, religious, nationalities and a score of other things about them

Some names loom large in Canadiau census history. In 1871, J. C. Taché was the chief officer and the topographical lay-out of the country was the work of Andrew Russell. In that same undertaking J. G. G. Layton was a provincial officer and was retained as one of the chiefs of compilation. In 1884, Mr. Taché was again in charge, Mr. Layton was director of compilation and George Johnson was one of the principal officers of enumeration for Nova Scotia, In 1891, Mr. Johnson was styled "statistician" and had full charge of the work.

When 1900 came around, the government commissioned Archibald Blue as "special census commissioner," and from that date "Blue" and "census" have been inseparable ideas in Canadian names.

I p to this period there had been no permanent consus establishment. Successive chief officials had lamented the lack and bewailed the difficulty of organizing staffs for the enormous and intricate work of compilation. At last, in 1905, the government heeded the cry of necessity and created a permanent "Census and Statistics office" with Mr. Blue as "chief officer." The case and despatch with which the results of the census of 1911 were compiled and issued proved the wisdom of the step. Aside from the direction of the decennial census, the establishment has found numerous fields for continuous useful activity. A system has been created whereby Canadians are kept constantly informed of the growth and development of their country, insend of having to wait for the general "counting of noses" every tenth year. Monthly reports and special bulletins issue from the office in quick succession and the Canada Year Book is the most effective compendium of Canadian facts and figures ever accomplished

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Alt Canada has a census every tenth year, and in intermediate fifth years there are special enumerations in Manitoba, Saskatchewan and Alberta, for the growth of those provinces is so rapid that the value of the decennial census, so far as it regards them, quickly disappears.

Everyone knows the census enumerator, going from door to door in our settled areas every tenth year with his big book and his long list of questions which seem, sometimes, to border on the impertinent, but who knows the labours and perils of the men who follow the trails and came routes to the desolate mining camps of the Yukon and the shifting bivouacs of the furtrappers in the sub-Arctic wilderness of Keewatin and Mackenzie? Who recalls, in this connection, the foundering of the Islander, bringing returns from remote regions, in 1901, necessitating a second enumeration in the then almost inaccessible fastnesses of Northern British Columbia?

To describe the compilation work carried on in Ottawa, in analyzing the reports of ten thousand men for the answers to 574 questions, applying to each of over seven million persons and in summing up all that enormous mass of information into concise and accurate totals, is simply impossible. For two years after the enumeration of 1911 a special staff of seventy-five persons had to be employed and trained. Intricate systems of procedure had to be devised, and electrically-driven machines, built for such work alone, performing feats which almost make the observer believe them to be endowed with thinking minds, had to be kept busy selecting and summing up, day after day and month after month, in order that the reports might go out and tell the world just how numerous Canadians were and what was the sum of their possessions.

The Census and Statistics office not only measures, but is, in itself, a measure of Canada' development. As Canada grows, it, too, must grow and its future is the future of the Donion. Its origh, may be found in Genesis, but its work is that of "Revelation."

## Department of Customs

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Ar some time or other every member of the community has to come into contact with "the Customs activity has its ramifications so widespread that it is difficult for the indiyielual to avoid them. It is a department of hard work and small thanks,

is the Customs. In all countries it is the same, for it is a curious fact that all governments manage to get their hardest work done for, in many cases, miserably small remuneration. And yet it is a department which does not court publicity. The officers and men carry out their duties, often disagreeable ones, quietly, unostentationsly, and the public think of them- it indeed they ever think of them -as "the Customs," and let it go at that. For, after all, it is

There was a time, no doubt, when the Customs service provided interest and plenty of excitement, but to-day the world at large is settling down under the yoke of respectability. The days of adventure with smugglers are past and gone. To-day is the day of the huge liner.

As has been said, the Customs has many ramifications, which touch business, and they require officers of various grades to carry them out. Commencing from the wharf side, in the case of a maritime port, there is first, the freight officer. There is one for every line. He delivers goods from the entry lists which are brought to him by special messenger four times a day. From these lists he has to send goods for examinations, make abstracts of goods going "in transit," and cheeks at night the local delivery. With him also lies the duty of making up the "unclaimed list," that is the list of goods remaining after the clearing of the After lifteen days these goods are sent to the unclaimed warehouse, ultimately

These duties are by no means all that fall to the freight officer's share. At times he is called upon to go on board ships and seal up the bar and the stores, leaving, of course, a cert, in supply for the officers and crew of the vessel. His duties commence at 7 a.m., and he goes on heave -mark that phrase at 6 p.m. There are two shifts during the night. One takes duty from 6 p.m. till midnight, and the other from midnight until 7 a.m., that is, until the day staff comes on duty. The officer deputed to each line must pass the whole of Sunday from 7 a.m.

Then come the baggage staff. These are the officers the travelling public come most in contact with. It is they who examine the baggage from incoming ships. But there, it is all grim routine to-day. There is no smuggling nowadays, or omparatively little.

When a liner arrives in the port the baggage is all sent ashore and deposited under the initials of the owner's name in the wharf shed. First and second class passengers' baggage occupy separate parts of the shed and separate officers deal with each class. About twenty passengers tre allotted to each officer. Anything dutiable found is reported to the "tide surveyor," as he is called.

Space does not permit of a detailed account, of the various duties of Customs' officers of the Crown, scattered over the length and breadth of Canada. There is the romance even of the hum drum life of a tax-collector, who sees that there is delivered unto Casar all that is Caesar's. The preponderating interest, however, of the people of Canada in the Customs Department, no doubt lies in the fact that it is the provider of the pocket-book of the Dominion.

Seventy per cent of the revenue of Canada, which during the fiscal year ended March 31 last amounted to \$168,000,000, was collected by the Department of Customs. By indirect taxation—that is to say by the imposition of a customs tariff on unported goods—the people of this Dominion provide the ways and means whereby the government of the day is enabled to embark on undertakings for the general advantage of Canada, to meet the demand for expenditures in the public interest, and to develop the latent resources of this northern portion of the American continent. A customs tariff is one of Canada's venerable institutions. It is older than Confederation itsel. On July 1, 1867, the union of Upper and Lower Canada, Nova Scotia and New Brunswick, under the name of The Dominion of Canada, was proclaimed. The names



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MINISTER OF CUSTOMS

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of Upper r al Lower Canada were changed to Ontario and Quebec respectively, and the first Dominion Parliament met on November 6 of that year with su John A. Macdonald, premier Sir Leonard Tilley was appointed the first Minister of Castonis. Prior to Confederation however, the provinces imposed and collected customs duties. Upper and Lower Canada had in those early days commissioner of customs who were under the British governors. A canonic sometimes once a quarter. Of course that practice has long since been abolished and to-day thouse and pay the duty.

With the coming of Confederation, the collection of revenue by mains of customs duties was placed on a business basis, but it was not until 1879 when Su John V. Macdonald introduced the National Policy and brought into being the tariff which, with certain modifications, is the one in force to-day, that the Department of Customs became an important branch of the public service. From small beginnings it has grow, with the country and its destinies have been ruled by men whose names are household words in the history of Canada.

The customs revenue for the fiscal year ended March 31, 1913 was 8115-063,196. The expenditure entailed in the collection of this amount was 83-150-776; the cost of cub et on being 2.74. Ontaine less the way in revenue collections. The banner province of the Dominion collected 844-808-000, at a cost of 8880,097, or 1.96 per cent. Quebec was a good second with \$29,531-574 with the expenditure of 8623-292, or 2.44 per cent. Prince Edward Island had the smallest customs revenue of the provinces of the Dominion. There was collected 8447,445 costing 822,615, or 15-3 per cent. Manitoba leads the way with the smallest cost of collection. That province turned in to the Dominion coffers from customs collections 812-475-000, at the cost of 8234,564, or 1-88 per cent.

It may surprise the general public to know that in the employ of the department that collects the bulk of the Dominion revenue there are 3.054 persons. Of these 2.847 are employed in the outside service, and 207 are members of the inside service at Ottawa. The outside service, made up of collectors, surveyors, tide surveyors, appraisers, assistant appraisers, clerks, tide waiters, landing waiters, lockers, gaugers, watchmen, preventive officers, are seat-tered if roughout the length and breadth of the Dominion, and such is a cog as the wheel that turns we enormous revenue into the coffers of the receiver general. There are 133 collectors in charge of outports, 96 acting sub-collectors. 732 preventive officers: 1019 acting preventive officers; 189 examining officers. 153 clerks, 39 appraisers, and the host of subordinate officers who look after the ever growing interests of the "Bank of Canada."

There are 22 inspectors and 4 assista t inspectors, who travel continually from coast to coast in organized customs districts inspecting the work of the various ports and outports. For the inspection staff alone, the expenditure for the last fiscal year was 893,175. The work of the subordinate officers in the outside customs service is performed often under trying ditions. In large ports lake Montreal, Quebec, Vancouver, Victoria, St. John, Halita, and s. as ney, vessels arrive at all hours of the day and night, and have to be met, by the customs staff, lakewise examined, and it is no triffing task to ensure to the government adequate service, and the travelling public every facility and courtesy. The staff of the Customs Department at voing and active men, who give to the department their entire energy and ability. The splendid revenue of last year points to the efficiency of the personnel of the outside branch of the

With regard to the inside service, made up of 207 persons, the ever-growing work caused by the augumented revenue, has resulted in an increase of the men employed. Each entry at the various ports and outports is sent to Ottawa to be checked, and this necessitates a large staff whose duty it is to carefully compare the entries and the rates of duty charged, with the ustoms tariff, to see that proper duties have been paid. There is a large statistical branch with over 100 men employed therein, that prepares accurate statistics of the various classes of



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JOHN McDOUGALD
COMMISSIONER OF UTSTOMS

imports and exports. The Appraising branch is also one of the most important in the uiside service. Questions of ratings, values, appears from the decisions of the appropers at the various prove an all dealt with by a still of trained experts onen who have knowledge of the various lines of unportations, such as hardware, dr. goods, machinery are. There is also the Customs Board, composed of the commissioner, the assistant commissioner the law eleck the elect appraiser and the chief and general inspector. The duties of this board which welds its authors appraise and the chief and general inspector. The numes of resecond which we missing and one if y by virtue of a provision in the Customs Act, are to fear a set from ratings, and onlings, provide facilities for the learning of arguments respecting the set from ratings, and onlings, to guidations, and the general oversight of the technical interest of the probabilities of the Accountant branch is also an important one. The The Accountant — branch is also an unportant one. The cent and it any moment the Emance Almster can obtain Customs Department exactly flow much money be can be a constant. A control of the control of the

The department is now in its forty-eighth year a strong." It has added to its staff within recent year t stilled s strong." It has added to its staff within recent year various I into States centres and to Great Britaine of the control of th Man sty are to be found than those who from our end of the Deman actords of bettare employed in this great and ever-growing and expanding branch of the public service

# Department of Inland Revenue

This department is fusl ioned largely along the lines of its sister department in Creat Britain, with modifications designed to meet local conditions. The defaitment admissions contain statutes, including Excise. Adulteration of Food, Weights and

Measures and Gas and Electricity.

Last year. Canada's exeise revenue reached the vast sum of over twenty one millions of dollars Only some seven or eight commodities are taxed. Spirits, tobacco, eights malt, malt liquor, acetic acid and vinegar comprise the chief sources of this revenue. The claborate system of checks and tests for determining and collecting the various duties, as well as for protecting the Vister amount of accrued revenue, is acknowledged to be as nearly perfect a any system can be. The duties of the officers do not end with the actual collection of the revenue. Immense quantities of excisable goods are stored in the bonded warenouses of the various est. This ments and the sum collected each year bears but a small ratio to the amount accrued

For the public at large, the Excise branch performs a distinct serv or not generally recognized. It stands between licit and illicit manufacturing, inasmuen as all manufacturing establishments, great or small, subject to excise laws, operate only under here is issued by the department. All operations within licensed premises are subject to government supervision and control. That this supervision is not merely nominal, may be gathered som the fact that all such premises must be "surveyed", which means that one or more excise officers must be up occasional or constant attendance according to the nature of the work.

A complete uniform system of book-keeping is maintained in each establishment, by means of which the material is traced from the initial operation to the finished article. The manufacturer has in this obligatory system a complete check on his own operations. But this is not all. The department suppresses illicit manufacture, thus protecting the wares of the legitimate manufacturer from the competition of an inferior dutiless article. It assures to the public a commodity that has at least the merit of having passed under government supervision and, in case of spirits, of possessing the requisite age prescribed by law. Indeed the value of his



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feature is recognized by the manufacturers themselves, who manifest their appreciation by teaturing "government supervision" in their advertisements and on their labels.

In other the excise officer must have a knowledge of law, chemistry and accountancy. He must be able to interpret the law and apply it in its many bearings. He must be, in a measure as skilled in the industrial pits as are the manufacturers in their respective callings. He must be prepared to discern at first glarce, and eleckmate, attempts at fraud, or acts which might lead to loss of revenue. In a vore, his stock in trade must consist of vigilance, technical skill sudgment and tact, with a highly developed sense of "safety first" for the public interest. And when it is colded that for this efficient service, the cost to the people last year was about three and one-third per cera, of the revenue actually collected it will be admitted that the Excree branch is little open to criticism as regards extravagance or overmanning.

Following closely upon the Lyerse in importance, and from the standpoint of public realth. of greater value, is the Foods branch of the department, which exists especially for the administration of the laws against the adulteration of articles of commerce, especially tood. These Acts possess in common the feature that their enforcement involves technical work terre the existence of the elemned laboratories that are the outstanding characteristic of this branch. Incidentally a considerable amount of work is performed in these laboratories for try Excise as well as for the other departments of the government; but the analytical staff is mainly occupied

The making of secudards of purity in articles inspected as a matter remaining time and expe-Milk and the products of milk, grain and its products, meat and manufactured meat products, bevorages, and many other classes of 'cooks have already been dealt with; and others on her g

The regulization of standards for foods and drugs has neede it practicable to carry out the penal classes of the various Acts in a way that was not possible at first. Many cases have been carried to the courts; and there can be no doubt that in this way the Acts coast become continuelly more ( ) more effective in preventing fraud.

It is worth noting that the bistory of this work demonstrates that adulteration of too large Canada is less a matter of concern as regards healthfulness than as regards values. The publication of the work of this department must be to educate the public in matters of food. Ignorance has always been, and always will be, at the mercy of the unscrupious. Finally, a word in it be said in commendation of the press, which has shown a constantly increasing interest and activity in helping to bring the work of this branch of the service to the notice of

We come next to the Weights and Measures Standards branch. At the time of Confederation, weights and measures hispection was under provincial control, each legislature possessing its own standards. The Fothers of Confederation, with remarkable foresight and statesmans ship, "Deemed it expedient to provide for the uniformity of Weights and Measures throughout Canada." The Dominion law to establish the new system was passed in 1873. Under this Act. three sets of New Primary Standards of Mass, Length and Capacity were obtained from Great Britain, each Standard being an exact copy of the respective Imperial Standard, one set of each being placed and still remaining in the custody of the Speaker of the Senate, the Speaker of the House of Commons and the Munster of Inland Revenue. These standards by the terms of the Act superseded all previous and existing provincial standards. Under the same Act (the present system of tederal inspection was inaugurated, the Dominion being cut up into restatores called "Divisions", each in charge of an inspector with a staff of assistant inspectors.

By this system Canadian trade has been saved the hopeless confusion of irregular customary, and local weights and measures such as Great Britain, at this late date as only beginning to straighten out. In other words, trade has been given uniform standards throughout the Dominion, instead of allowing local interests or considerations to set up special standards which, however convenient to individuals, might be unfair to the public generally.

The great amount of time and labour speat in mangurating this new service, together with the scientific work and difficulties met with in procuring the raw Dominaon standards, can be read in the interesting and comprehensive second report of Commission r Brunel of 1875 where



WILLIAM HIMSWORTH
DOLLIN MASSOCIATION | 8

will also be found the scientific data giving the absolute values of the Dominion standards and the methods of comparison and computation.

Turning to the present day administration, the Weights and Measures Standards branch, under the charge of the chief inspector, is the head office of the Dominion weights and measures inspection service and the actual repository of the departmental primary standards.

No weighing or measuring device of a new design is allowed to be placed upon the Canadian market until it has been submitted to the department for examination and has been approved by the chief inspector. By this means uniformity in the general principles of design and construction is maintained and such machines as would facilitate the perpetration of fraud are rigidly excluded. In his turn the Canadian manufacturer, importer, or dealer is not permitted to allow any weights or measures to be removed from his premises for trade purposes until they have been inspected and stamped by the inspecting officer. By these means, the Canadian trader and the public are protected against fraud and the sound manufacturer's interests are s deguarded against the underselling of unreliable goods.

Every weight and in asare used in trade, with few exceptions, is subject to re-inspection and stamping once every two years, whilst inspecting officers have powers to inspect at all times. In view of the multiplicity of domestic purchases, no other service comes more closely into touch with the public. Notwithstanding this fact, there is no service about which there exists m re ignorance and less interest. Try to cheat a woman by giving her a cent short in change and there is trouble, and yet how easily are cents, and more than cents, pilfered by short weight and measure. This latter is an issue over which weights and measures inspecting officers have no jurisdiction, but with the education of the pub - and increasing interest on the part of the government, this authority may be forthe ming. Then the weights and measures system will be splendidly considere and government officials will be in a position to give the public full protection against unscrupulous trades both as regards the accuracy of the scale used and the

The coordinate of a most important one is regards public utility is the Gas and Electhe try Insp. from the first important one is regards public utility in a case and range of the second of the seco The first production of the pr

A to be additional and the second of the Chicago of national ampere the international voit, and distributed the case of the gas inspection, secondary or working electric to the inspectors throughout the country and are frequently adjusted.

the right the Near ended March 31, last, no less than 300,000 tests were made in gas and electricity in the different district, and in the laboratoric. The increase in electricity cuctors rested during the past five years amounts to about 400 per cent

The standardizing facilities of the two labor ories are being largely used by electrical companies to check the accuracy of their stand ad inscruments, and where these facilities recome



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better known the sending of instruments to the United States for comparison and checking,

In addition to the Gas and Electricity Inspection Acrs, there is also administered by this branch of the service, the Electricity and I luid Exportation Act, under the provisions of which the export of electrical power partiral gas oils, etc., is regulated. For instance the large hydroelectric companies at Nagar) balls are he used to export certain quantities under regulations that control absolute—the methods and rate of output across 1,6 t nt ty between Canada and the United States. Departmental electrical engineers visit the various exporting points periodically, checking the instruments on the transmission lines and investigating a near the

The staff employed under the department consists of 64 permanent employees in the inside sixtice and 571 in the outside sevice. Of a uporary employees there are 14 inside and 307 entade. The people basised at Ottawa mende many experts in engine chem beside an office staff of the highest efficiency. The service is facturing industry in the Don mon. The Excise branch, which is the largest collector of revenue next to the Customs Department, has a staff of inspect on and supervision, each officer having the for the vasions repairment, has a stan or dispersion and supervision, each once, having the whole Dominion. The staff is as follows --

British Columbia District, J. E. Miller, district inspector, Victoria, V saucier, district inspector, Calgary, J. K. Barrett, district inspector, Winnipeg. Windsor Toronto Thos, Alexander, district inspector, London. G. T. Evans, district inspector, Toronto. Kingston **Wontreal** J. E. Gess, district inspector, Kingston. We cave e district inspector, Montreal, Quebro Maritime Provinces ... J. A. Dumontier district inspector, Quebec,

John Macdonald Jr., district inspector, St. John, N.B. There are thirty-two collection divisions in this branch, each in charge of a collector. The Weights and Measures branch also covers the Dominion with its inspectors, of whom there are twenty. The Cas and Floetricity inspection service is organized on similar lines. We seth districts are not identical in boundaries in every case, they are the same in manber to Adaletration of Food branch has not easy its analysts at Ottawa, but its inspectors in its control of control of the Adaletration of Food branch has not easy its analysts at Ottawa, but its inspectors in its control of the Adaletration of Food branch has not easy its analysts at Ottawa, but its inspectors in its control of the Adaletration of Food branch has not easy its analysts at Ottawa, but its inspectors in its control of the Adaletration of Food branch has not easy its analysts.

# Department of Marine and Fisheries

PREVIOUS to Confederation neither the two sto are called Canada not the provinces of Nova Scot and Nova Brunswick had a public department solely confine, to a mand fishery interests. The Department was called into

existence on July 1, 1867. The office of Minister of Marine and Fisheries with first of the and created in Brush North America. William Smith was appointed Deputy He and the staff was organized and permanent appointments were made to the inside service mater da-All Service Act. The outside service was established under separate Acts defining the nature stan duties of the outside officers and employees

The framing of Bills, preparatory to legislation, relating to the shipping trace of a fisheries cosk of the most difficult character at any are, but naiking new laws, establishing a new tom for controlling the Merchant Marine Service, and new nathods of governing the fisheries the new Dommion, must have been exceptionally difficult. It would have been folly to a the work to men unfamiliar with the requirements of either or both branches. In detail shipbuilder, the shipowner, the navigator, the seaman, must have his interests and rights



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subserved, the establishment of aids to navigation, and their maintenance, prevention and removal of obstructions to navigation, records of wreeks and casualties, salvage regulations. came within the scope of the affairs to be administered. Government of harbours, public wharves piers and breakwaters, transferred by the provinces to the Federal Government, was placed under control of the Department. The transfer of lighthouses, lighthouse sites, aids to navigation, then in use, made it necessary to consider a system, to introduce improvements in apparatus

New fishery regulations, appointments of inspectors with magisterial powers for the enforcement of the enactments were equally difficult matters to encompass. The fishing industry was in a conspicuously deplorable condition owing to the destructive careless and reckless methods permitted in all the provinces. The depletion of rivers once teeming with fish which made these streams their spawning grounds, was well nigh brought about. The prevention of this destruction and the conservation of valuable food fishes were among the subjects to be dealt with immediately. Coast and sea fishing regulations also commanded attention.

Two classes of American vessles visited the shores of the provinces, one, fishing vessels, the other, trading vessels that gave goods or each in return for fish. No customs duties were paid on the articles exchanged with the people who held the fish and, therefore goods were obtained at lower prices than they could be bought from regular dealers who paid duties. The usual tonnage tax for lighthouse and buoy service was escaped by the American fishing and trading vessels, because they generally avoided ports of entry. There were no revenue cutters nor fishing cruisers in those days and the class that engaged in illegal trade and fishing had a comparatively free hand in their operations. American traders and fishermen were far from scrupulous about observing the customs and fishery laws of their own country and they found a sort of paradise along the coasts of all the Maritime waters of what is now the Dominion.

In connection with shipping, the laws in force in the separate provinces contained anomalies that required removal and a more advanced and comprehensive system had to be introduced

The laws required consolidation and removal of ambiguities of language. Encouragement of the shipbuilding industry was of first rate importance and any legislation likely to hamper or handicap this industry always meets with opposition of a strenuous nature.

In the Act organizing the Department the subjects enumerated for administration were the government of Trinity houses, Trinity boards, pilotage authorities, all aids to negation, ertificates to navigators, shipping and discharging of seamen, steamboat inspection and other subjects already mentioned. Among the vicious practices to be suppressed was crimoing in the large ports. Harbour police were necessary at Montreal and Quebec with authority to arrest erimpers, who were principally connected with sailors boarding house. To deal with this pernicious practice a harbour police force had been maintained at Montreal and Quebec for several years. It was decided to continue these forces and the Dominion Parliament imposed a tax of 3 cents of ton on vessels entering these ports for supporting a system of police on the St. Lawrence

Following this legislation came Bills providing for a system of engaging, shipping and discharging seamen in Dominion ports and one authorizing the Department to issue certificates of competency to candidates who successfully passed an examination for masters and mates of sea-going, coasting, and vessels sailing on inland waters.

In the new Steamboat Inspection Bill provision was made for the examination of engineers and issuing of certificates of competency.

An Act was passed in May, 1868, to provide means for the relief of sick distressed and disabled seamen, by a tax of two cents a ton on vessels entering sea ports in Canada . All vessels thove 100 tons were made liable for payment of dues for this propose

Most writers of sea-life describe "Jack's" lot on board ships at sea as a "dog's life" and a shows the attinion to come general by supporting it by his own recital of wrongs which he deserved his treatment. Masters and petty officers on the back, unless they fall out ong themselves. Some events of to the government of the species of and to pay Sick M. mers' dues, because they have to



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pay the tax. Local authorities who provide hospitals for contigious and infectious diseases consider the system mangurated by the Department a pistifiable and humane method of dealing

The management of lighthouses, buoys, beacons and ligh horse stem as had been condueted by the Trimity House corporations in Montreal and Quebec. These bedies were maintained by the old Parliament of Canada without any tax on tonnego. In New Brunswick and Nova Scotia, a tonning tax was levied on vessels for the up-keep of all nels. This tax was abolished under the new organization, and since Confederation, slap owners have emoved tree-

The Department was thus set on toot under the Act passed of the first session of Parli one of organizing it. Part of the affairs were administered under provincial laws until legistatere in the Dominion Parliament provided the machinery found necessary

Treaties with a number of European countries which admirted their vessels rathe Deminion coasting trade had been made by Gir & Britain and similar privileges given to Canadian versus along the coasts of these countries and their colonies. The bruefits to be derived from the reciprocal relations were considered, on the whole, advantageous to Canada

After Contederation, the proxinces which constituted the Denunion Jegan to reside note fully the value of the fushore fisheries, and therefore looked to the Dominion Government to protect these fisheries from the constant incursions of the United States fishering a. The abjegation of the reciprocity treaty, in 1866, by the United States, imposed upon the Department the protection of our coast fisheries by fishery cruisers. Arising from the poaching practices and inter-disregard of Canadian laws and rights, and of international law, the American list of men persisted in trespassing in Canadian coast waters. Many seizures were made and vessels bourded by the Canadian cruisers. In 1871 as many as 74 American fishing schoeners were bounded, and 20 vessels with nets and fish seized. Five schooners and one steamer formed the protection fleet, this fleet involved heavy expenditure in their maintenance on the part of the new Dominion, but this was of minor importance compared with the value of the fisheries within

The addition of the seientific branch of the Meteorological service and Magnetic energy is tories took place in 1870. The Imperial Government had instituted a service in Q<sub>0</sub>, (c) in 1850) and a meteorological service and magnetic observatory in Toronto in 1855. This service was transferred to the Provincial Government of old Canada and operated by the Universities of Toronto and Kingston, and in 1870, taken over by the Deminion Government and structed to the Department of Marine and Fisheries, the service, therefore, became the first scientific institution, technically so called of the Department. The year 1871 was an event) a care in the growth of the Department at assuming an addition to the services rist mentioned the construction of lighthouses by the Chief Engineer's branch work formerly performed by the

British Columbia entered the Union in 1871 and Prince Edward Island in 1873. These oxpress presented new features and caused expression of all the branches of the Department e general character of the system that was being carried on in 1871, was not materially changed von applied to British Columbia and Prince Edward Island, but the different conditions existby on the Pacific Coast, required some special adaptations to shipping and the fisheries

Fig.  $\sigma$  part of the public service which came under the control of the Minister of Marine and taxics was in its incipient stage. The aids to mivigation consisted of two lighthouses, one 'rectocks and the other at Fisgard near Esquimalt harbour, one lightship at the mouth of 13. 1 ver, the steamer See James Denglas, a few buoys in Nanaumo and Victoria harbours to be couth of the Fraser river to guide the tew small crafts that passed up to New West-

Prince Laward Island lying — near the provinces of Nova Scotia and New Brunswick. on shipping and tishing interests ramost ic intical, offered very few new features for administestion. The laws and regulations were easily made applicable to the Island.

Owing to insular position the great drawlack was lack of winter communication with the advised and see Depertment was called upon to solve the problem of winter navigation.



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An attempt to stablish winter communication was made by p. mg the Northern I gld e small wooden stemer built for the service, on the route between Cambottetown and Peton The heavy nee of the Strait of Northumberlas () during the winter months proved ten great a barrier repermenegular trips and an intermittent service was kept up for several vears by the steamer. The afternate route between Capes Traverse and Tormentine as also taken by the small boats used a crossus over the rections, humanocks at I water stretches in the strait of Northumberland. Mail we more regularly delivered by the latter rough

Revision of the stember truspection regulations and amendments to the Act was for ed upon the attention of the Department by several disasters, accompanied by heavy 1 ss of inc. in inland waters. Many passenger boats were flimsy in construction and owners a xious to make them  $\rho$  , allowed overcrowding. The proper limitation of pas engers, better  $\phi$  saving appliances and an mere ise in the number of boats to be carried on board passenger steamers formed part of the new regulations. More perfect inspection of hulls, better aid stronger material and a higher class of machinery in construction, were, generally speaking, moperative for safety of lives and property. The changes were difficult to effect, owing to the maraber of craft afford unsuitable for passenger traffic. In the case of excursions to excursionists were willing to take great risks and endauger their lives. With these problems the Steambout In rect. Board dealt, involving great consideration in the public interests without imposing box (big-

Eish culture had been begun cars in the history of the Dep itment by Fishery Officers and some success had been achieved in One rio at Newcastle and in the Maritime provinces Research in a succeion with shell fish, particularly oysters and lobsters. End also been given much attention. Regulations relating to close seasons and the means of taking lof sters were a lopted and the Fishery Inspectors and overseers included in their reports frem year to year the number marketed and the decline or increase of every kind of fish taken by a shermen, even

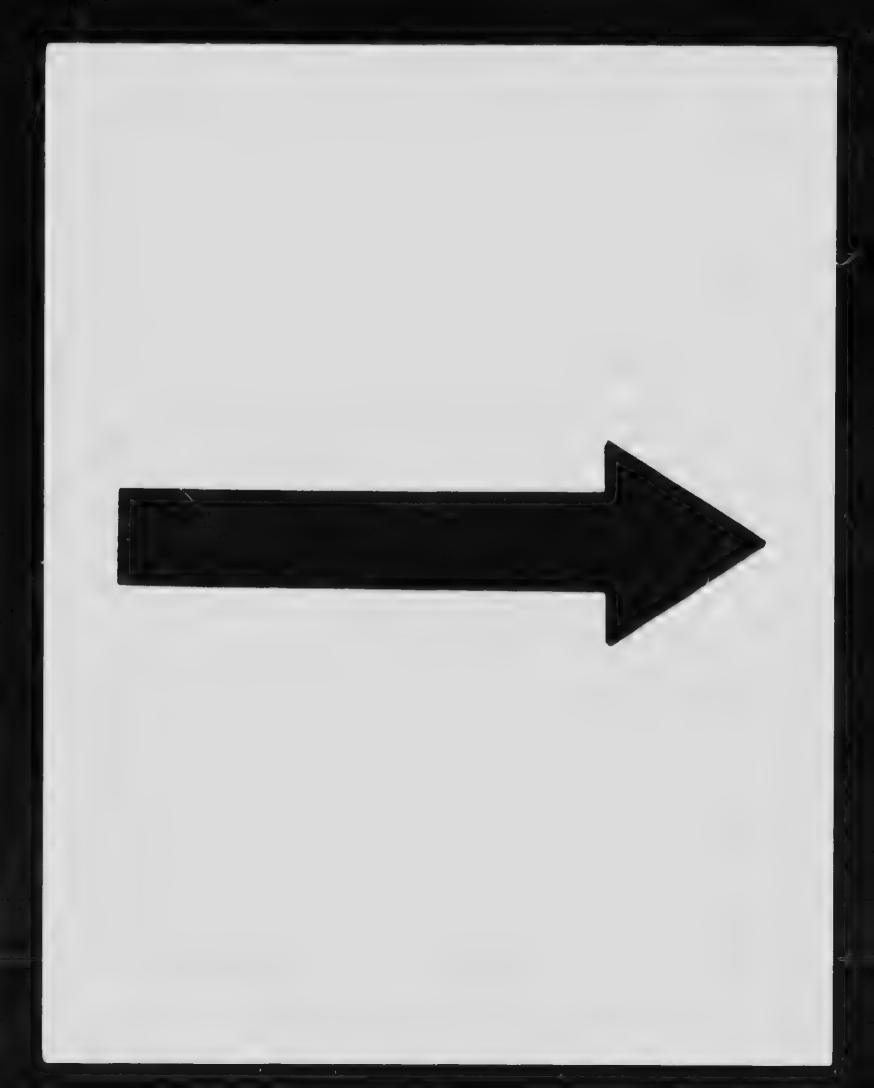
The distribution of the fishing bounty in the Maritime provinces and part of Quebic was taken up in the year 1882. This service increased the work of the overseers in the outside service, and led to the formation of a branch of the Department with a separate staff of payment of bounties had no precedent and involved much thought in organization to in dethe service effective and guard against improper distribution of the bounty. This bounty is paid only in the Maritime Provinces, because the money due from the United States under the settlement of fisheries claims, as proyaded for by the Washington Treaty of 4871, went into the Dominion treasury, though the Maritime provinces had exclusive right to it. In return for this sum the Domimon pays as interest, an annual amount in fish bounties in those provinces. Parliament in 1882 passed the measure for an annual grant of 8(50,000) on djustment was later made increasing the annual grant to \$160,000.

In 1886 an Act provided for the appointment of a Deputy Minister of Fisheries. The D partment had but one Deputy Minister and the work of the Fisheries had been carried on ander the immediate direction of a Commissioner. The office of Deputy Manster of Fisheries vas abolished in 1893 and the Department was again placed under control of one Deputy Head.

This review of the Department has for its purpose the intention of conveying some definite autormation as to its origin and growth, the subjects with which it has to deal, and the staff of officers during its early history. These officers were selected from among men who had gone to the school of experience. Most of the inside service officials had held office under the provancial governments, the old Province of Canada and under the corporations dealing with craritime and fishery affairs. The outside service was generally composed of men with practical knowledge of the affairs coming within the range of their duties.

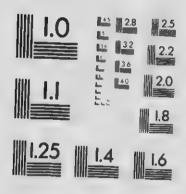
Owing to the special and peculiar character of the work of the Department, it was essential that the staffs of its branches should be composed of men trained in and familiar with the interests with which they had to deal. The foregoing indicates how numerous, varying and important

So in the early history and for many years after, men of special qualifications were eq. pointed, men who were "bred" to the vocation of the had gained their knowledge from their

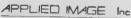


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environments, familiar with nautical requirements, usages and terms, with the classification of ships, in fact, to use a nautical metaphor, men who "knew the ropes,"

The Chief Engineer had held a similar office in New Brunswick and had been in the service in Great Britain. Upon him devolved the organization of the Chief Engineer's department, the location of new lighthouses and fog alarms and the selection of the order and kinds of lights and apparatus considered suitable for the waters and part of the coast where the aid was to be established.

The Meteorological work and result of Magnetic observations were directed by an experienced officer with a small staff, who kept the records of the instruments used and prepared reports. The establishment of Meteorological stations with a few instruments that indicated the temperature, direction and velocity of the winds and the rainfall, in certain localities, came within the range of the duties of the Director and was the beginning of the system which furnishes data and information for our daily weather forecasts. Maintenance of Magnetic observations at a few ports indicated by their appliances and instruments the correct time, enabling captains to compare their chronometers.

Few of the departments of the Dominion administrative service touch so closely the lives of such a large number of people as does the Department of Marine and Fisheries. Thousands of mariners, both sea-faring men and those on the inland waters, carry on their every-day work under the Canada Shipping Act, the administration of which is one of the main duties of this department. Thousands of fishermen look to the department for licepses, for direction, and in many cases for bounty. Business men everywhere are affected by the work of the department in connection with the ports and wharves in every port of the dominion. And there is not a man, woman or child in Canada who can read, but at some time turns with expectancy or anxiety to the announcements of "Old Probs" who is one of the officers—or rather, one of the branches of the Marine and Fisheries Department.

The title of the department indicates a natural division and one that is recognized by every-body including the officers of the department. There is the work of the marine and there is the work of the fisheries. While there is but one Deputy Minister in general clarge, and while such work as engineering and accounting must be done more or less in common, yet in matters of detail, and also largely in matters of considerable importance there is a clear division of duties as between the two great branches of the Department.

The man in charge of the whole complex organization is Mr. Alexander Johnston, Deputy Minister. Mr. Johnston made a name for himself in journalism and polities before he entered the public service, and his success in his present position is the natural result of the splendid mental equipment and devotion to the public welfare which have always distinguished him. He is ably assisted by the Assistant Deputy, Mr. Cameron Stanton.

The practical experience of many years has moulded the organization of the department into its present form. The work is by no means confined to the staff at Ottawa, but most important, exacting and responsible duties must be performed by officials, many of them experts of the highest qualifications, in every part of the Dominion. No other department has so large a proportion of important officials engaged outside of Ottawa. Not only must the department as a whole have a corps of agents to represent it in every province of the Dominion, but special branches must be directly represented at important ports and centres. The Engineering branch for instance, must have qualified men to construct, repair and guard the great public works for which it is responsible; the administration of shipping laws makes necessary a complete organization covering the whole country; the fishery officers must guard the public works everywhere while directing the operations of those whose united labours make up the important fishing industry of Canada; and the great fleet of vessels which is kept constantly engaged in the varied operations of the department on three oceans and on the "inland seas" must be manned with the most competent officers and men that are to be found.

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To show this immense and far-reaching organization at work is impossible, of course, within the limits of space allowed. A few hints of what is accomplished is all that can be attempted

Generally speaking, the work of registration, inspection and operation of vessels come directly under the supervision of the Deputy Minister. This is an immense service and divides itself naturally into many branches. It has to do not merely with vessels and machines but also with men, and many are the invaluable services rendered to the public by officers whose very existence is unknown to "the man in the street".

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Every vessel must be registered and her whole life, from launching to wreck or junk-heap must be lived in public; her every move must be known and "papers" in order before she can begin or end a voyage. There are laws, ancient beyond all figuring, yet revised down to date. governing every human creature aboard and providing for public record of every pound of freight she carries. To imagine such a system is to see more or less clearly the varied work of this part of the Marine Department organization. The registration and classification of ships is in charge of Mr. Edwin Hawken. So is the record of wreeks and salvage. Every wieck is carefully investigated by a master mariner who gives his whole time to this work and who is aided, sea-tashion, in every case by two assessors specially chosen because of their knowledge of the conditions and circumstances of the case under investigation. The investigator is Captain H. St. George Lindsay. But, anticipating by many years the notion of "safety first" which landsmen are now slow's acquiring, it is the fashion of those in charge of navigation affairs to mak a special service of "safety of ships." This is an organization, a set of rules, a custom of sailors or a branch of the public service according as you view it. But the importance attached to it may be judged by the fact that this business comes directly under the charge of the Deputy Minister. A part of this work is pilotage, which is worthy of a book by itself.

A vessel is what it has always been, and even when air-ships or submarines shall come into common use, it will be necessary to apply to them many of the general laws of navigation. But steamships are in many ways a specialty and must be specially treated. Canada has a Board of Steamboat Inspectors, and this board is served by at least two sets of specialists, the business of one set being to inspect hulls and that of the other to inspect machinery. The Board is composed wholly of officials of the Marine Department, and the chairman is Mr. T.R. Ferguson, and this most important and far-reaching service is directly in charge of Mr. B. F. Buraett, in hospitals directly owned and managed by the government, or in other hospitals under special arrangement. The head of this work is Dr. O. Godin. The Life Saving Service has always but it is now incorporated with the Department of the Naval Service. Endless are the romances of real life in the record of the lifessaving corps.

Directly concerned with navigation and the safety of ships, is the Meteorological Service (a) Old Probs. The would be a matter of great interest to trace the history of this institution from the interpolation as part of the scientific work of the Toronto University, to the taking of it over by And more interesting still would be the account which right be given, did space permit, of how signals raised by its orders have kept vessels safe in harbour when otherwise they would have men of the Observatory. Mr. R. F. Stupart, a scientist of world-wide reputation, is head of this most important branch. Headquarters are still in Toronto.

This leads naturally to the subject of aids to navigation, including lighthouses, fog alarms, buoys, beacons, submarine bells, etc.; the construction of all being carried on by the Engineering Branch. This branch is one of the most important in the public service. It has a staff of about twenty-five at Ottawa, nearly all trained engineers and draftsmen, and a Dominion-wide organization outside, including specialists of many kinds. This staff has the direction and administration of a vote of about a million dollars annually, which is used in the construction and hours and many other smilar works. At the head of this great of anch as Chief Engineer, is and a man of whom the Civil Service as a whole is proud. The decoration conferred by His lighthouses. Mr. B. H. Ergergi, Chief A. is the best-bestowed. In the construction of



GLORGE JOSEPH DESBARATS
DEBITY MINISTER OF THE NAVAL SERVICE

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Though harbour works and wharf construction are the business of the Public Works Department, yet when these works are taken over by the Marine Department, their administration involves many practical questions of engineering and thus important duties in this connection are rendered by the Engineering Branch.

A comparatively new development of this service is the Dominion Lightleness Depot at Prescott, Ont. This establishment supplies appliances and equipment a great part of which is manufactured in its own shops. Captain John R. Taylor is in charge and a sunder his direction a staff of about fifty men. The lighthouses, after construction of a under the charge of a special branch, the check of which is Mr. J. G. Macphail, Commissioner of Lighthouses.

A most noteworthy work carried on by the department is the improvement and maintenance of the St. Lawrence Ship Channel from the ocean to Montreal. There is now a clear broad channel below Quebec with a minimum depth at low water of 35 feet, and the work of extending this channel to Montreal Harbour engages the services of a corps of men with an immense equipment of dredges and other craft. Headquarters for this work are at Soret Que., where the department maintains great shops employing laundreds of men for the construction and repair of the vessels and machines used in the works. Mr. F. W. Fomeret has charge as Superintendent, and the Soret shops are under the direction of Mr. W. S. Jackson, Superintendent,

The administration of affairs in connection with public harbours is part of the duty of the Deputy Minister. The greatest harbours of the country are directly under boards of commissioners with wide powers, but the department is the final authority even in the greatest of them. Besides the great harbours there are smaller harbours and public wharves on ocean, lake and river, all over the country, and the administration of those properties is an numerical business in itself. Mr. A. R. Tibbitts is Inspector of Harbours.

A fleet of ocean steamships and a great number of smaller craft are owned and operated by the department, being assigned to the different branches according to the requirements of the service. The responsibility for the work engaged in by these vessels rests between the provincial agents and the heads of the branches. But for equipment and discipline they are in charge of Commander Henry Thompson, R.N., as Officer Commanding the Marine Service

For the whole department there is a purchasing and contract branch with duties suggested by it title. An immense quantity and variety of material has to be handled by this branch year. Mr. Cecil Doutre, who has been in charge since the mangination of the branch, is t been appointed manager of the Canadian branch of Vickers, Maxim & Vickers.

The accounting for the department with its great expenditure and its growing revenue from many different sources is the work of a considerable staff at the head of which is Mr. A. Boyle. Chief Accountant. Reference to other important matters of interest such as, for instance, the development of the ree-breaker, must be abandoned for the present to admit of a brief mention of the fisheries and fish culture.

The fishery interests, in the early nmeties, claimed and received much attention. Eish culture had early in the history of the Department been begun and had been carried on in a very limited way. Some original research and observation was the method employed, simply because knowledge of pisciculture was limited. The means were primitive and the appliances clude. There was very little, if any, biological knowledge upon which to start, consequently there were failures that could not be explained. One officer who began the experiment of fish breeding at Newenstle, in Ontario, described his first efforts in artificial breeding of whitefish. He began with whitefish, believing this kine to be the most valuable and "deheious" of lake fish. After describing the process of incubation he refers to the fact that "every effort had been made to find out the proper description of food for these little cretaures, but without success'; "they dwindled away and died. An accident, however, led to a valuable discovery. Some of the fry had passed through the screers and had found their way to a small pond where an aquatic plant had been placed some few years previously, and the plant had spread itself all over the bottom of the pond; on the fibrous part of the plant was a small crustaceous insect which thickly covered the fibre, ; upon these insects the fish fed and grew rapidly. This discovery by a civil servant was claimed as the first known, regarding the fact that vegetable growth formed the fundamental source of nourishment of whitefish.

Step by step experience has been gained in fish culture by the constructing and equipment of fish breeding establishments in various parts of the country. A vast amount of technical and scientific facts have been uncovered in the course of biological investigations carried on by the officers of this branch. In the year 1868 there was but one hatchery. In 1913 there were fifty-seven. This branch is administered by Mr. W. A. Found as supermondent at Ottawa with a staff of 21 with 125 permanent employees outside of Ottawa. The branch also administers the distribution to the fisherman of 8160,000, being the equivalent of the interest on the award made under the arbitration treaty of 1871.

### Department of the Naval Service

If the question were put to the average Canadian, 'Has Canada a navy?'', his answer would probably be tinged with polities, for no issue of recent years has been so widely or fiercely contested as the duty and rights of Canada in relation to naval

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detence. Regardless or politics, all would agree that Canada's navy to-day is extremely small. But it it were interred from this that the Department of the Naval service is unumportant or moribund, it would be a great and indicrons mistake. As a matter of fact this department is one of the largest, most active, and most practically useful in the whole list.

The Department of the Naval Service came into existence by virtue of the Naval Service Act, placed on the statute books on May 4, 1910. The department comprises the following branches:

- 1. Naval.
- 2. Fisheries Protection Service.
- 3. Tidel and Current Survey.
- 1. Hydrographic Survey.
- 5. Wireless Telegraph.

Of these the four last named were transferred from the Department of Marine and Lisheries to the new department, Mr. G. J. Desbarats, C.E., then Deputy Minister of Marine and Fisheries, being appointed Deputy Minister of the Naval Service.

The Naval branch is that under which the building up of a Canadian navy was undertaken. Rear Admiral C. E. Kingsmill, a Canadian officer who had retired from the Royal navy when a rear admiral, and who had been officer in command of the marine service of Canada, was appointed Director of the Naval Service, and various officers were lent from the Imperial navy to assist in the organization of the Canadian navy. Two cruisers, the Niohi and Rainbow were purchased from the Admiralty for use as training steps, and a Royal Naval College was established at Hahfax, N. S., for training officers for the new service.

Recruiting was carried on briskly for some eighteen months, but since then has been post-poned, although the Royal Naval College is still carried on and continues to do very good work. Up to date 44 cadets have passed through the college and 451 men and boys have been recruited in Canada and partly trained on board the cruisers.

The dockyards at Esquimalt, B.C., and Halifax, N.S., which had been transferred from the Imperial to the Canadian government in 1905, were taken over by the Department of the Naval Service in November, 1910. They have been brought, as far as is possible without complete re-organization, up to date, and are at present doing very good work in repairing the ships not only of this department, but also of the other departments of the government.

The Fisheries Protection Service, as its name implies, is engaged in protecting the Canadian tisheries from poaching, and from the incoads of foreign fishermen on both the Atlantic and Pacific coasts and on the Great Lakes. This service, at first of only small dimensions rapidly grew to be very important and at present controls nine vessels for this purpose, as were as chartering various other ships as required from time to time for further protection.

Were it not for these ships, foreign fishermen could at any time myade Canadian fishing grounds with impunity. These slaps have also been useful at various times in rendering assistphoe to vessels mells has a re-The following are the ships belonging to this branch.

Canada, Corstance Carlow, Petrel, Vaplant, Falcon, Restless, Walaspina Galiana

The main duty of the Tidal and Current Survey Jeanch is to obtain information concerning the tides of both coasts of the Dominion, and from these data to predict the times of the tides, and publish these predictions so is to be a lift understood by stapping companies, etc. The gathering and publication of information as e-gards currents in the various bays and straits

In 1884 the question of the compilation and publication of tide tables, which had been engaging public attention for some time became very acute, and many memorials were torwards to the government requesting the formation of a separate branch to undertake that In 1891 this branch was established, and work was instituted on the Atlantic coast

The gulf of St. Lawrence first engaged the attention of the department but the survey gradually extended, taking in all the eastern coast of Canada, including Balle Isle strait, Then side tables for British Columbia were published. At present, in addition to keeping up observations on both coasts, this branch is making observations in, and has already issued tide

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Much very valuable information concerning currents has also been compiled and published, notably as regards Belle Isle strait and the bay of Fundy,

Dr. William Bell Dawson was appointed engineer in charge in 1894, and has continued in charge of the survey until the present day. He has a staff which, in the summer, is engaged in making observations on both coasts, and in the winter reduces and plots these observations. Constants and equations are thus obtained on which very complicated calculations are made. From the results the quantities and times of the tides are predicted. There are, in addition, several special observers for points where observations are required all the year round. One vessel is attached to this branch to enable careful observations of the currents in deep water

The Canadian Hydrographic survey was founded as a result of the loss of the steamer Asia in Lake Huron in 1882. The attention of Parliament was directed by this disaster to the utter inadequacy of the charts, which were some sixty years old at the time, and a conference between Admiralty representatives and members of the Canadian government we held with the result that a survey of the Great Lakes was immediately taken in hand,

The main object of this branch is the surveying and charting of the various seas, rivers, and lakes of the Dominion, and the publishing of charts compiled from the data thus obtained. In recent years the rive, St. Lawrence from Father Point to Montreal has been completely re-surveyed and charts polarished. Revised charts of the Great Lakes have also been issued. and much very valuable and entirely new information concerning Hudson bay and strait has been go lared and promulgated. On the Pacific coast much work has been carried on, with the result that the charts for those waters have been revised and published.

As can be easily seen, the importance of the Hydrographic Survey is very great, as without it it would be impossible to compile charts correctly. The number of disaste's which have been averted by the re-survey of Canadian waters cannot be estimated. The following ships

Bayfield, La Canadienne, Cartier, Lillocet, Acadia, as well as three schooners.

The work done by the Canadian Hydrographic Survey compares most favourably with that of the British Admiralty, which was the first institution to commerce a systematic charting of

Of our Canadian seas there are now some four hundred or such charts, the work of these sea surveyors—all full of mysterious shading and minute figures, the sole relies of years and lives. Yet these coldly mathematical charts of scrupulous neatness and involved intricacy have a Luman interest beneath them and a very vital one too. And it is to that aspect of the ferroir work of the hydrographic survey we would now turn. What adventures on lonely shoals and



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Complete transmitting appearities at an up-to-date Radiotelegraph Station (The Canadian Government Station at Port Arthur, Laterior view of the Radiotelegraph Station, Port Arthur, Ont, Capacitain Radiotelegraph Station, Port Arthur, Ont,

Interior et office, etc., Radiotelegraph Station, Port Arthur, Ont

in dangerous waters' what weary hours in northern latitude, what broyant sunny days on ultramarine seas ar painted bouts, are hidden by the shading of these maps. The sea surveyor's

One of their tous described his work. We have to be both surveyor and sulor. It is no good being one wallout the other. You must know how to handle transit level, chains and glasses, and, at the same time, have your sea legs be able to navigate a vessel and be a kind of

In fact, their life is a curious mixture of open air and office desk, of muscle work and mathematical calculations

Can you not see this charter of the deep in his small boat with his crew, off a dangerous const, trying to keep her "on range" while be stands up straining all his muscles to maintain his bulance, and his two exes to spot at long range the position he wants ashore. Then he throws overboard his hand leadline and takes a sounding. He drags the reveold and dripping lead-line up somewhere in the Aretic north, then when he stoops down to plot it on his sounding. plan, he finds his fingers so numbed that he can hardly write. A wave breaks over the boat, soaking men, plan and instruments. The boat has been driven off the range point and the whole work has to be done again. The breed of men who endure this, day after day are the

The administration of all Radiotelegraph matters in the Dominion is carried out by this department and the control of all stations, whether owned by the government or not as vested in the Radiotelegraph tranch. At the present moment all the commercial Radiotelegraph stations in the Dominion with the exception of five on the east coast owned by the Marconi Company, and three on the Great Lakes and two on the Pacific coast owned by outside firms, are directly owned by the department. No station can be established in the Dominion, and no operator can work any station without first obtaining a license from the department.

Prior to 1906 only cursory inspections  $\phi$  the few stations then in operation were carried out, but in that year a general superintendent of the Radiotelegraph service was appointed as head of a branch of the Department of Marine and Fisheries. In 1910, on the formation of the Department of the Naval Service, the branch was transferred to this department. The first stations to be erected in the Dominion were those on the east coast, of which six were erected in 1904, sexteen h ying been established since that date. The first trans-Atlantic station was erected at Table Head, Glace Bay, C.B., pr. 1902 by the Marcon Wireless Telegraph Comp. by which had been subsidized by the Deminion government.

On the Great Lakes there are at present eight stations established, the first of these having been erected in 1910.

On the east coast a complete chain of stations extends from Belle Isle and Halitax to Port Arthur, a distance of over 2 000 miles. A vessel from the time she approaches within about 500 miles off the Atlantic coast of Canada until she reaches Port Arthur, is always in communication with a wireless station. This long chain of stations is probably unequalled anywhere in the world. The stations on the Great Lakes have been so established as to be able to commanicate with a vessel at any point on the lakes. All this chain of stations from Port Arthor to the Atlantic is owned by the government and operated by the Marconi Cor pany under a a contract with the department.

On the Pacific coast the stations, ten in number, form a complete chain from Victoria to Prince Rupert. In addition to providing communication with ships, they are very largery used for commercial correspondence. It is notable that the two stations on the Queen Charlotte Islands provide the only means of communication between these islands and the mainland. All the stations on the Pacific coast are owned and operated by the Department of the Naval

Two facts may be briefly cited by which the reader can estimate the increase in size and suportance of this branch. The first is that during the last fiscal year 272 087 messages were candled as compared with 17.820 messages in 1906. The second is that Canada has over twice is many stations open for the purpose of public commercial business with ships at sea as any of the British Empire, and ranks second in the whole world as regards the number of these stations.



HON, ROBERT ROGERS
MINISTER OF PUBLIC WORKS

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A part of the departments work which is of interest to the whole world and of mealents able value to Canada is the patrol of northern waters. The world grows smaller every day and even the Aretic wilds are ben - ought under tribute to civilizatio - I pon Canada rests the duty not make a of exploring these regions but of performing their all the functions of government. The recent years the Dominion has despatched various expendions to the Arfantic and Northern waters and as the results of these expeditions have proved to be most important the gevernment diended in Lebruary 1913 to send another expection under Mr Villipalinur Stel disson. This gentleman has previously located two parties for the exploration of the northern colgo of the American constant and the results of his last expedition notally the discovery of the White Eskino, have become a constraint and the results of the New Market State of t Service, Geological Survey, Marine and fisheries Interior and Customs all being interes of in the results to be obtained co-operated towards the fitting out, and providing the personne of this expedition, whilst its general direction was entrusted to the Department of the save

The main objects of the expedition so far as the government is concerned are: (1) For explore as great a part as possible of the nullion or so square miles of unknown area in the northern part of the continent west of the Parry Islands; (2) To gather securific autorination and covertions in the departments of occanography geography, geology, soology, botany ethnology and archaeology and to take tidal, meteorological and magnetic observations

The came to be occupied by the expedition is three winters and four summers. The toflowing ships were fitted our and left Vancouver on their way to the North in the spring of 1913.

The people of the whole world have been keenly interested in the news of this expedition The rumour of disaster that was at one time set affoat proved groundless and everybody felt glad that the daring Stefansson and his equally brave companions were sate when the long Arctic night closed in upon them. The Department of the Naval Service has better means than any other inition of gaming knowledge of the expedition's progress. Rumours even though a the dignity of print in widely-circulated new-papers, ought not to beturb the public mind. The department, in the maining and outfitting of the expensive did all that was humanly possible to assure the safety of all, and the public may resorted the tit realization. is duty of keeping informed as to the state of affairs not only the party but also the great world public who e sympathy follows these and toilsome journey through the trozen North. me orsofth

From the sket drift is hast ly given, it will be seen that the Department of the with its many ships, wireless stations and other means of operation, mass have roll. The staff at headquarters is comparatively small, but the officers outside men of the very highest qualifications in learning and experience, form a large be d Septice theat pay. number of those employed at the present writing is 1827. The greater me 1147 are in the Naval Service. The other branches enumerated above a e the their varied activities throughout the Dominion. The administrative of 'inside service'', as the law calls it muniters 65, of whom all but five are perma-

# Department of Public Works

The first public works of Canada consisted of the coof roads and bridges. These were, from the early settlement of French regume, under the control of an officer known as the "t; Voyer." After 1829, came the period of canal construction

farbour improvements; and after 1831 what may be called the period of railway-building. From 1763, and previous to the organization of the Beard of Works in 1835, the work excepting roads, bridges, and public buildings, undertaken by the provinces, were placed under the control of commissioners. Such works included canals excepting important military



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After the Union of the Provinces 1841, the Corporatio, 21 c Board of Works was organized under Statute 1-5 Vic. 1 (p. 38) and consisted of a chairman, tour members, a secretary, a chief engineer and an arctice and assistant chief engineer. These field office unto 1844 when the new Board of Works was established. Under Statute 9 Au. Chap. 47, 4846, the chairman of the Eard was called Chief Commissioner, and in 1861 Commissioner of Public Works. Tuder Statue 31 Vie., Chap. 12, (1867), the Department of Public Works was organized and established

The construction of public works, as now recognized, may be said to have commenced with the Union in 1844 since which time the different administrations have pre-sted, or executed, supportant works a recordance with appropriations which Parlia a from time to one has placed at their disposal. Control to the placed at their disposal control to the placed at their disposal control to the placed at their disposal control to the placed at the placed at their disposal control to the placed at the placed at their disposal control to the placed at their disposal control to the placed at the placed a

Under the Act of 1867, and the general provisions of the British North America Act, aso under other Acts relating to the public service, the works formerly in charge of the Commissioners of Public Works, were disposed of is follows

- 1. Canals and works on mavigable rivers, constructed by the procuncial governments previous to July 1-1867, were placed under the care of the Department of Palabe Works.
- 2. The construction of such harbours and piers as Parliament authorized was entrusted to the Department of Public Works
- 3. The construction of lighthouses was confined to the Department of Public Works, while duty of enforcing the regulations for their lighting and management, and obtaining of supplies transferred to the Department of Marine and Fisheries:
- 1. The slides and booms constructed by the government, for incilitating the passage of tumber in unvigable waters, were placed under the Department of Public Works.
- 5. The charge of the greater portion of the roads and bridges was transferred to the local governments, but to construction of military and interprovincial highways was reserved for the
- 6. Certain pul buildings were transferred to the local governments, but others remaining with the Dominion were put in charge of the Department of Public Works:
- 7. The management of the provincial vessels was transferred to the Department of Marine and Fisheries,

In 1868, the department controlled 30 buildings transferred from the province of Canada; 38 harbour works: 3 slides and booms; also roads and bridges, lighthouses, beacons, etc.—In addition to this list, transfers were made by the provinces of Nova Scotia and New Brunswick of several harbour works, a few buildings and the railways; but the above list does not include Government Houses, Parliament buildings asylums, court houses and jails, afterwards trans-

In 1879, the Department of Railways and Canals was carved out of this department, and was given the control of all government railways and canals, according to the provisions of Act 42 Vic., Chap, 7; this department retaining possession of public buildings, which comprised the Parliament buildings and residences of the Governors-General, customs houses, examining warehouses, inland revenue offices, post offices, penitentiaries and prisons, quarantine stations, immigration buildings, marine hospitals, multiary buildings and drill sheds, all ports, harbours, rivers, piers, etc., dredging, slides and booms, military and interprovincial roads and bridges and telegraph lines. The total number of public buildings was 10.—of barbour works, 300. of shies and booms, 3; bridges, 9, and telegraph lines, 1,520 miles. The total expenditure incurred during that fiscal year, by this department, was \$1,550,930,04.

At this time was inaugurated the new policy of the government control of coast telegraph lines; this department acquired some existing lines and started the building up of a complete system of land and cable lines, and in 1880, the Telegraph branch of this department was fully organized.



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D. H. KEFTEY Control Superintendent Government Telegraph S. rene

In 1882 the lowest depth of water in the ship channel was 25 feet, excepting at Cap à la Roche and Cap Charles. Preparations were being made to deepen the St. Lawrence canals to 14 feet. This has already been accomplished on the Lachure and Welland canals, only,

In 4892, the total expenditure made by the department was 82,084,644,38, the number of buildings under its control was 159, hardour works, about 381 sudes and Locins 3 graving docks, 3, and te egraph lines 2,750 miles. Within this period of 10 years, the department had constructed the three graving docks, at L vis. Kingston and Esquimant, Experimental farms had been established, the diedging plant had been increased, many public buildings had been creeted; a number of small wharves and buildings had been purebased from Nova Scotia and Prince Edward Island, and several new works had been constructed.

In 1902, the expenditure made by the department was 86,786,799,20, number of public buildings under its control 285 harbour works 563, slides and booms 3 graving docks 3; and telegraph ames [5,671] miles. The depth of water in the ship channel was 27] (cet\_depth in the St. Lawrence cames, 14 rect. In the interval, 1892 to 1992, the construction repair and maintenance of penitentianes was transferred to the control of the Department of Justice, and the construction of lighthouses was tanded over to the Department of Marine and Fisheries, the control of tre existing infiltary buildings being also transferred to the Department of Milatin and Defence. In several of the annual reports, notably that of 1900, special attention had been directed to the necessity for improved transportation tacilities, and the commission appointed for that purpose made an investigation, and prepared and submitted a very comprehensive report. The north shore telegraph line was extended to Belle Isle. This department also inaugurated in the Yukon Territory, recently besieged by armies or gold lainters, good navigation

In 1912, the expenditure incurred by the department, was \$13,928,666.87, number of buildings, 328; harbour works 4,244; miles of telegraph, 8639<sup>3</sup>, with 624 offices,

The above historical sketch, and the statistics given, are quite suggestive of the large piane this department occupies, and of its supreme importance as a factor of our national development. It has been the instrument chosen to bring to be and reality the highest constructive conceptions of our statesmen. Such a proud position could only be preserved through considerable technical and administrative abilities on the part of its chief officers, and unremitting atten-

Canada's great works affecting transportation have been initiated by this department although a large number have been transferred, for the purpose of their operation and manitenance, to two other departments, to the Department of Railways and Canals, which has also undertaken considerable extensions to their systems; to the Department of Marine and Fisheries were transferred lightlouses wharves and other works such as the St. Lawrence ship channel and the Sorel shipyards. The Marcom wireless system, which Canada was the first of all countries to adopt, has also been transferred to the Department of the Naval Service after its establishment by this department.

Although the above and numerous other works such as roads, bridges, buildings, etc., have, from time to time, been transferred either to other departments or to provinces, the requirements of our progressive country have been so great that new avenues are constantly opened to the activities of this department. While it continues to extend our splendid system of water transportation, it gives housing accommodation to the different branches of the public service equips our coasts, our large islands, the new and still sparsely settled portions of our country with land and cable telegraph or telephone communication. In recent years the new western provinces and the Yukon Territory have been an important field of development along that direction The works constructed or operated by this department are naturally divided into three classes. and each class is looked after by a different branch; the three branches, which may eventually volve into distinct departments at least two of them, are the Engineering, the Architectical, und the Telegraph branches.

The Engineering branch looks after the river and harlour works, bridges, etc. In some espects, at least, this is the most important branch. While it requires technical ability of the ighest order, its very objects give it great prominence; in aiding inland navigation, in procuring



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ine > r shipping facilities, it makes it possible for our young country to develop and carry on the tremendous water transportation it does. The recent survey of the proposed Georgian Bay canadroute is a striking instance of both the talent that is developed within this department, and how ministers and officials are alive to the national requirements and can solve in a way, both practical and scientific, the greatest problems that may offer. This branch is essentially a construction branch, a though it retains the control of a large number of whatves and operates and maintains the slides and booms, docks, and bridges. The dredging operations are carried on by this branch through contractors and also by an ever increasing fleet of dredges tugs, stouchters, etc., the property of this department. Much of the engineering knowledge and advice required by the many commissions created in recent years has been found in this

The following statistics may best illustrate the importance of the branch. The estimates for the fiscal year 1912-13 show that this branch was allotted \$17 027,945,43 distributed under 642 headings 601 or which were for the construction, or improvement of distinct works, and 41 were intended for replace and maintenance of river and harbour works generally for medging operations and equipment, and for the survey of proposed works. The actual expenditure for that year, 1912-1913 was \$10.659,663,49, or which \$5,980,029,93 were for dredging; \$6 new works have been completed during the year, and at its close, 25 were still under construction. This branch then controlled 1308 harbour works, slides and booms on the Saguenay, \$t. Maurice and Ottawa rivers and tributaries, 15 bridges, 58 dredges and stonelifters, and 42 tugs. The staff at headquarters is now composed of a chief engineer and 74 engineers, draughtsmen, inspectors and clerks; the staffs of the several districts, which cover the whole Dominion, including the engineers in charge numbering close to 250, while about 650 people are required to operate the government dredges, slides and booms, docks, etc.

The Architectural branch erects buildings to accommodate the different branches of the public service such as the Ottawa Parliament and Departmental hiplaings, post offices, custom, houses, large military and manigration buildings, lighthouses and other small buildings. included sheds of no area accusal importance such as immigration sheds, small drill sheds and armouries, experimental farm buildings that are now generally built by the department affected. This branch also provides housing accommodation by renting a large number of buildings both at Ottawa and all over tre country. The maintenance of most Dominion buildings built or rented by this branch remains with it; the most notable exceptions are the penitentiaries and the military bundings, which are in full charge of the departments concerned. The following statistics for the year 1912-1913 may give a good idea of the importance of this branch. The estimates allowed the Arentectural branch amounted to \$13,741,638.18 divided under 351 headings, 309 of which were for the election or improvement of separate buildings or groups of buildings. The remaining 42 were intended for repairs, furniture, heating, lighting, rentals, etc., of Dominion buildings generally. The actual expenditure was 87,443,475,14, of which, 85,549,065,62 was expended in acquiring new sites, creeting new buildings, extending or improving existing buildings, the balance being the amount expended in small repairs, turnishings, rentals, and maintenance of Dominion Fundames generally. This branch completed thirty-one new buildings in 1912-1913, and as many were still under construction at the close of that fiscal year. It had then under its control 344 completed buildings 47 of which are in the city of Ottawa exclusive of the buildings on the recently acquired properties. It also controls in addition some 210 rented buildings, or suites of offices, 40 of which are in the city of Ottawa.

The headquarters staff is composed of a chief architect and 91 architects, draughtsmen, imspectors, and clerks, while the outside staffs of the several districts, corresponding to the different provinces of the Dominion, are composed of 30 architects and clerks. The maintenance of all the buildings under its control necessitates the employment of 1,062 caretakers, watchinen, firemen, electricians, elevator attendants and mechanics.

The Telegraph branch provides telegraph and telephone communication, as already stated, and operates the different systems with the exception of a few miles operated by commercial ines and under leases. Owing to its peculiar field of operations, the importance of this branch s not as generally appreciated as that of other branches whose works are established mostly

for the convenience of the large centres of population. In consequence it may not be amiss to give fuller details regarding its systems of telegraph lines;

Newtoundland: Port ad Basque, Cape Ray, 14 miles of wire, used in connection with the Signal service and connecting with the Anglo-American Telegraph Company.

Nova Scotia: inclusive of 20 knots of submarme line between Meat Cove and St. Paul's Island, 895; miles and 97 offices,

New Brunswick: 994 miles and 21 offices.

Quebec: The Magdalen Islands system connecting with Meat Cove, C. B., by a 55 knot cable—the Anticosti-Gaspe system with 2511 miles of land line and 651 knots of cable, the Quarautine system including Grosse He Tsle of Orleans, He Reaux, He aux Coudres, and Crane This system connects at l'Auge Gardien on the north shere and Montmagny on the south shore, and covers 1761 miles piclusive of 214 knots of cable. Then there are the north shore lines, the Chicoutium district lines, and the new Kipiwa dam. North Timiskaming line covering 1.622½ miles with 116 offices.

Ontario. The only line entirely in this province is that of Pelce Island in Lake Eric. extending 454 miles including 174 knots of cable from Point Pelec to Learnington Dock, with

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North-West: The main sections of the new provinces are the Qu'Appelle-Edmonton, Moosejaw-Wood Mountain, Edmonton-Athabasca Landing, and there are, in all, 1051 miles of line and 60 offices.

Brit sh Columbia has 1051 miles of line, inclusive of 42 knots of calde, and 176 offices.

Yukon. This territory is covered with 3.453\frac{1}{2} miles of line and 427 offices; it may be noted here that when the rush of gold seekers was at its leight, this branch did excellent work. which at the time drew most favourable comments from distinguished and disinterested witnesses.

One teat accomplished under the worst conditions was the construction in 1899 of 650 miles in the short space of six months, thus reducing by 21 days the fine then required to transmit news and orders for the good government of the cosmopolitan population bired to the extreme north by the gold excitement. There were in operation at the close of the fiscal year 1912-13, 9,7921 miles of telegraph and telephone lines, inclusive of 277 knots of cable, with

Mention should also be made of the cable ship Tyrian aquired some twelve years ago 682 offices. and used by this branch for the repairs at 'xtension of cable lines. The revenue derived from the operation of all the different lines was or the same period 8215 526.11 and the expenditure \$742,279, of which \$491,550,80 was for their maintenance and the balance for repairs and extensions. The headquarters staff is composed of the superintendent and 6 assistants and clerks, while 640 telegraph operators and line repairers, under local superintendents, are required

to operate the different sections. The three branches just sketched concentrate in the one secretarial branch of the depart-

ment which, with a staff of 135 officials, carries the work of the following sub-branches: -The Correspondence branch, with a record of 80,220 letters received during 1912-1913.

The Accountant branch, which, in 1912-13, handled an expenditure of 818 844 223,90, and a revenue of 8488,194,23; 92,924 departmental cheques were issued in that year, inclusive of 20,223 by agencies, and 1719 applications upon the Auditor General for Receiver General's cheques in payment of contract work, etc.

The Law branch, with a record of 711 contracts, 170 property transfers, and 78 leases.

The Collection of Revenue branch, which collected 8248.448.82 mostly from slides and booms, and graving docks. These figures do not include the revenue from telegraph lines, which is collected by the Telegraph branch.

There are also the Estimates, the Printing, Stationery, and Advertising, and the Photographers sub-branches.

A brief reference should be made here to the National Art Gallery, which up to a few year ago, was administered by the Architectural branch. The government having decided to enlarge

the appropriations for the acquisition of works of art, and to provide more suitable quarters. a director was appointed and an advisory council nominated. The passing of "An Act to incorporate the National Gallery of Canada" during the year 1912-1913 marks a new era for the National Gallery. The present advisory council is made, by that Act, the board of trustees of the National Gallery of Canada with enlarged powers and duties, and responsible to this department for the expenditure of the annual appropriations.

Notwithstanding the constant transfer of works or class of works to other departments, the sphere of action of this department is still immense. The few statistics given show the steady increase of its operations from its inception almost to the present, but that is small in comparison to the mer uses we are witnessing and those which are bound to occur in the future The expenditure for the fiscal year 1912-1913, being almost 85,000,000 larger than that of the previous year, representing an increase of 35 per cent, is a most significant occurrence. It is pregnant with large a ministration and other problems that engross the attention of the staff of this department and have so much to do with the ever increasing development of the Domin-

When the Parliament buildings at Ottawa were under construction, it was decided by the administration then located at Quebec that photographs should be obtained to show the amount of progress made on the work. Mr. Samuel McLaughlin was appointed to do such work and this was the inception of the photographic branch of the Department of Public Works. Mr. McLaughlin was form () the north of Ireland, educated at Dublin, came to Canada and settled in the City of Quebic as a watchmaker and chronometer adjuster. He took up photography as an amateur but soon became an expert and was appointed Chief Photographer, remaining in the service for 35 years and was superannuated in 1894. He was succeeded by his son, Mr. D. A. McLaughlin, the present incumbent, who was born in the city of Quebec, educated in Boston, and became an expert steel and copper plate engraver, photo-lithographer and plate printer. He was the first photo-engraver in Canada and introduced the black and white process which is rapidly taking the place of the blue print.

The present work of this branch consists of turning out contract plans and drawings for both the Department of Public Works and Railways and Canals, making about 1,200 square feet of blue print daily, about the same of Vandyke or black and white. In the execution of this work, two large sun frames and two mercury-vapour electrical trames, one continuous and one stationary, are used, also a special machine for drying prints. Plans are reduced by the wetplate process. The branch also takes photographs of works in process of construction and after their completion. A few years ago the work of the branch increased so rapidly that it was considered necessary to in tal an additional plant which is now under charge of Mr. T. G. Bell. Both galleries are located in the West Pock, and it is a source of pride to the department that the work issued compares favoural ith the best turned out by any photographic

### Department of Railways and Canals

Titi, Department of Railways and Canals was established in the year 1879, by an Act of Parliament, which divided the Department of Public Works into two departments, and placed the control of all canal and railway work under the new

a partment. But the history of these works commences at a much earlier period.

#### Canals

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The earliest records in connection with the canals refer to a boat canal, commenced by the sulpicians in the year 1700, to overcome the Lachine rapids, but which, owing to the failure

Between 1779 and 1783 small canals and locks were built, under the direction of Captain (wiss of the Royal Engineers, at four places along the River St. Lawrence between Lakes St



HON, FRANK COCHRANL MINISTER OF RAHWAYS AND CANAIS

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Louis and St. Francis for the purpose of overcoming the various rapids. In the years 1804-5: these works were improved and enlarged, and a canal was also built across the point of land at the junction of the St. Lawrence and Ottawa rivers, with three locks.

In 1797-8 a canal was built by the North-West Company on the Canadian side of the Sault Ste. Marie. All the buildings at this point were destroyed by the Americans in 1811. In 1816, the St. Andrew's Steam Forwarding Company built a wooden lock at a point where the village of Vandrend is now situated, for the purpose of overcoming the rapids between He Periot and the main shore to the west, and thus facilitating navigation between Lake St. Louis and the Lake of Two Mountains. Prior to 1800, and until the time of the construction of the Cornwall canal, the Long Sault rapids were ascended by bateaux by means of two small locks; one of these, a wooden lock, was situated near the village of Moulmette, and was built by Adam

This completes the first period of canal construction, after which there were three periods, down to the present time, coinciding with corresponding developments in the business and population of the country. The first Luchine canal was built letween 1821-5, the Welland between 1824-33, Cornwall between 1834-43, Beauharnois, 1842-5, and the Williamslurg be-

Between 1840 and 1870, all these canals were enlarged, and new canals were built at St. Ours and Chambly on the Richelieu river, at Ste. Annes, Carillon, Grenville and Culbute (now abandoned) on the Ottawa river, and the Rideau canal, connecting the various stretches of

Between 4870 and the present time most of these canals have been further enlarged, and the Sault Ste. Marie, Soulanges, Murray and St. Peter's canals have been built, and the Trent canal i mearing completion. At the present time the Welland superanal is under construction. This canal will rival the Pa cama canal in dimensions. Its length is 25 miles, and it will overcome a difference in level between Lake Untario and Lake Eric, of 3251 feet, by means of seven locks, each 800 feet long by 80 feet wide, with 30 feet depth of water on the sills. The lift of each lock will be 46! teet. The construction of this canal is in charge of Mr. J. L. Weller, C.E., who is considered to be the leading canal engineer of Canada to-day.

Most of the earlier works were built by the Royal Engineers and were afterwards transferred to the Provincial Government of Canada. The transfer was authorized to be recepted by an Act of the Provincial Parliame 4, dated May 30, 1855, and it was accepted by an Order in Council of January 25, 1856.

Surveys have also been made to a real er of canal works that have not so tar been carried out, such as the Georgian Bay canal, a canal from the St. Lawrence, opposite Montreal, to the Richelieu river, and the Baie Verte canal, which was to cut the isthmus between New Bruns-

#### Railways

The first railway enterprise in the country was the construction of a short section of road. 16 miles long, between Laprairie and St. John's, Que. This was opened in July, 1836, with horse traction; locomotive power being adopted the following year. It was part of the Montreal and Champlain railway, which was completed in 1851, giving communication between Caughnawaga, on the south side of the River St. Lawrence, above Montreal, and Rouse-

But it was not until 1851 that C vernment supervision of railways commenced, when 14-15 Victoria, Cap. 73, Sec. 17, authorized the constitution of a Board of Railway Commissioners, consisting of the Receive, General, the Inspector General, the Commissioner and Assistant Commissioner of Public Works, and the Provincial Postmaster General, the Secretary of the Commissioner of Public Works to be the Secretary of the Board.

After Confederation (in 1869), the Railway Act, 31 Victoria, Cap. 68, Sec. 23, authorized the Governor-in-Council to "appoint such members of the Privy Council to the number of four at least, as he may see fit, to constitute the Railway Committee of the Privy Council," This



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Board remained in existence until the year 1904, when it was superseded by the present Board of Railway Commissioners, and from 1867, to the above mentioned date, all the worl - n connection with the board was performed by the staff of the department, in addition to

The Government railways consist of the Intercolonial, Prince Edward, Island, Hudson Bay and the National Transcontinental, the last two being now under construction. The Intercolonial consists of several lines of railway taken over from the Governments of Nova Scotia and New Branswick it Confederation, and additions made to it from time to time, either by construction or parchase, and now extends from Sydney, North Sydney, Halifax and St. John to Montreal, and a number of branches, with a total indeage of 1 468.15. The Prince Edward Island radway was taken over from the province at its entry into Confederation in 1873. It was a narrow gauge line of 3 feet 6 inches - It extends from Tignish to Georgetown, 158 6 mines and from Charlotte town to Murray Hurbour, 52:30 miles, with branches to Souris and Cape Traverse, the total length of the line being 267.5 miles. The Hudson Bay railway extends from The Pas to Port Nelson, a distance of HS miles, and it is now under construction. Extensive harbour and terminal works, including an elevator, are under way at the latter point, The history of this work when written will be one of the most romantic of the department. During last summer a great quantity of machinery and supplies of all kinds was rushed out to Port Nelson, necessitating the employment of a number of steamers, two of which were lost: and from the close of navigation all communication was cut off until the last few days, when wireless communication was established. The construction of this railway was in charge of Mr. John Armstrong, C.E., with headquarters at Winnipeg, he has lately been replaced by Mr. J. W. Porter, C.L. The works at Port Nelson are in charge of Mr. D. W. McLachlin, C.E. one

On August 29, 1907, the cantilever bridge in course of construction by the Quebec Bridge and Railway Company suddenly collapsed, and, on December 1 1908, the Covernment took over the company's undertaking. A Commission was appointed to undertake the rebuilding of the bridge, some changes in whose membership have since been made, and the work is still under way. The bridge will be 3.228 feet over all with a centre span of 1,800 feet. The height above channel will be 150 feet. This bridge will enable the Transcontinental railway to cross

The department is building, at the present time, a line of railway from Dartmouth to Deans in Nova Scotia; and terminals at Cape Tormentine, N.B., and Carleton Point, P.E.I., for the

The department also makes contracts with the railway companies to which subsidies have been voted by Parliament, and it sees that the plans of their proposed works are up to a certain

### Headquarters Staff

The first Board of Works was established on August 17, 1841, and on June 9, 1846, an Act of Parliament was passed abrogating the Board of Works and establishing the Department of Public Works: this department being continued until 1867, when on the re-organization of the service after Confederation, a new department under the same name, was established and continued until October 1, 1879, when duties relating to canals and railways were withdrawn from its control and placed under the Department of Railways and Canals then constituted.

The departmental staff at Ottawa is divided into several branches, under the control of the Deputy Minister.

The Secretary's branch consists of two divisions: the Correspondence, which prepares all letters and reports to Council and edits the annual report; and the Records, which registers all correspondence, documents, maps, plans, etc., prepares returns to Parliament, docs all copying required for the department, prepares all route maj applications for hearing by the Minister. seeing that the applicants have proper Parliamentary authority, that their applications and maps conform to the regulations notifies all partic concerned and attends the hearings. In addition



MAJOR R. W. LEONARD COMMISSION IN FRANKAS

there are several matters coming and rathe Secretary's personal supervision, such as the opening and preparation of tenders for award, the supervision of the private cars, and other matters,

The Accountant's branch does the accounting work of the department pays all salaries, wages, accounts, contractors, estimates, subsidies, etc., prepares statements for Parlament, for the use of the Minister, and for the annual report, keeps a recor, of contractors' securities, collects all rentals due to the department, issues requisitions for stationery and supplies and

The Class Lagun er's brench has the supervision of all works of construction on both exand railways, and the mainte can wof the canals, the designing or all new works, the preparation of plans at I recording of same, and the inspection of subsidized railways, and it ad-Minister on engineering questions and prepares an annual report for Parliament

The Law branch has charge of the preparation of all contracts, leases, subsidy agreered and other legal documents, gives advice on all questions of law, and prepares statements to

The Statistics branch, as its name implies, prepares statistics with relationer to carailways, telephones, telegraphs and express companies.

The Auditing branch audits all pay-lists, accounts, radway subsidy payments, requisit The auditing of subsidy payments involves the evaluation of the books and according of the railway companies con erned. This branch prepares the Parliamentary estimate the railway subsidy applicatio is for presentation to Parliament. It also has charge of if paration of the papers accounteein with all appointments, promotions and termements

The Purchasing branca issues all invitations to tender for supplies, etc., required for canals and Government railways, and makes all purchases.

From the foregoing it will be seen that the work of the department is of a varied and ornature, necessitating the utmost care and vigilance, as a slight mistake will often have trefar-reacting consequences, and perhaps entail considerable expense. This vary be easily stood when the enormous sums of money received and expended by the department of sidered. The annual expenditure nov amounts to over 84,000,000 on canads and over 836  $\ell$ on radways, making a grand total of over \$40,000 000. The radway revenue for the year ed March 3), 1913, amounts to 812,442,203 46, and the canal revenue for the same period as 8307,567,66, the latter being derived mostly from rentals, as the cared tolls were abolished in

The following figures may prove of interest, showing as they do the total expenditure and revenue of the department as far as ascertainable. For the period before Confederation it is very difficult to get accurate information. It must be remembered that of the total amount over \$40,000,000 has been paid as subsidies to private railway companies

### Canal Expenditure

Data a constant		
Prior to Confederation Since Confederation.	820,593,866,13 117,714,213,38	
Total to March 31, 1913		
2 77 4 8 17 219	\$138,308,079,51	

#### Railway Expenditure

Data a ser a c		
Prior to Confederation. Since Confederation	813,881,460 65 534,205,452 55	
Total to March 31, 1913.	-	
	Contract Contract	\$548,086,913-20
ARREST ENGLESS FOR A STATE OF THE STATE OF T		8686,394,992 71
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The publications assued by the department annually, are infinial report, railway statistics could statistic telegraph statistics telephone statistics and express statistics, around reports of the Board of Radway Commissioners and the Transcontinental Radway Board. The annual report is a companied by a portfolio of maps. Lowing the rulways and the canal systems of the country. The department also publishes from time to time special

# National Transcontinental Railway

The non-more structly speaking a part of the Card Service of Canado, the staff that herlargest work since Pagist on the construction of the National Temperature of Raisway is so closely, thed with the Department of Rahviys, and is so extremely appear in maisonal of the present work words, by the omplete were no mention made of this brened or a section and actively

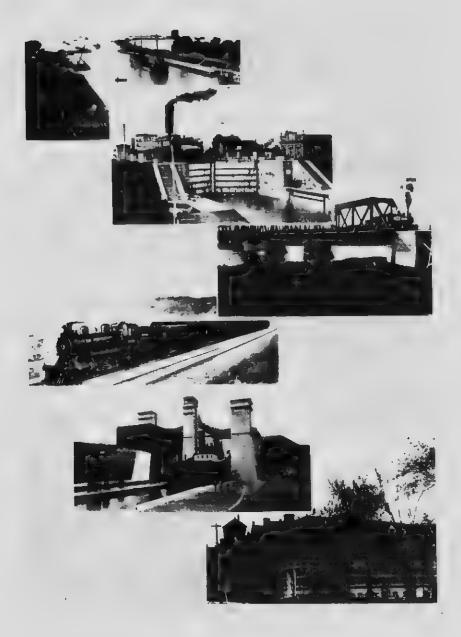
Dr. Xiltonid Diascontinent dissitte line that it verse, the earth in part of E-fore Const. on Withing to More for a distance of 1 soft miles. It is bailt in piece mee of a by with the Co and Frund Pacific Railway Common V. Cloberti at Caramilla governsecrements the road and the company to specifical under state years less.

Construction was estind on by a Commission principle by the government. Under the former government there were from commissioners but the present (campistr true, bender the the work over to single commissioner. Mr. R. W. Leonard who is now no barge. At the beight or the constitution was large staff or experts in the several branches of chasen from mong the clost then available for in spite of differences of opinion, mong politically and engineers s to the wisdom or probity of the policy adopted in construction, it is universally conceded that the railway is the best-built original reed ever known in America, and many hold that it is better as originally constructed if in any other road, even after years of development and improvement. Prough it was a pioneer line, and through an absolute wildoness near distreway those is conside for it but in mind the leading of through traffic and built accordingly. The difficult is to be faced and the problems to be selved can be imagined; and it is to the everbesting credit of those upon whom this duty was held that the road as it stands is admired even by those a so hold that the poney involved in its construction was for doment dly wrong

"The chief responsibility while the york was doing and the greatest credit for what has been recomplished go to Mr. Gordon Grant, chief engineer of the Commission, a man enment in his profession before, but with a higher reputation now than ever because of his splendid success in constructing one of the most remarkable railway lines in the world

The staff under Mr. Grant is already disbanding for the read is practically completed Many are being drafted into the several departments of the public service, while others find employment in connection with radway and other projects of industrial and national develor ment

In this connection it will be convenient to refer to the work on the Quebec Bridge. Though this work was deep! (apon before the National Transcontinental project took shape, and though it is being carried on under a separate commission, yet it is usually discussed by public menit is being carried on under a separate commission, yet it is usually inscussed by public mean in connection with Transcontinental affairs. The work, as everybody will sadly remember was interrupted by the shocking disaster of the artumn of 1907. With new plans and under the close and anxious supervision of the most eminent bridge builders in the world, the construction is now going forward full swing and it is expected that the bridge will be ready to traffic in 1917. The Quebec Bridge Commission is composed of three world-famed engineers Messes C. N. Mousarrat chairman and chief engineer, Ralph Modjeska and C. C. Schneider. Under these men is an elaborate organization of specialists. This is a most spectacular division of public service of Canada, for the work upon which they are engaged has challenged the etention and admiration of all mankind. When the work is finished Canada will have the sacisfaction of having taken the lead in bridge building, for the Quebic bridge will be the greatest structure of its kind in the world



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### The Board of Railway Commissioners

upon it, an eastern editor writes.

<sup>6</sup>The greatest creation of Parliament in many years" - that opinion of the Board of Railway Commissioners for Canada, expressed by a western newspaper, is heartily echoed from Louisburg to Prince Rupert. Commenting that ever came out of Canadian politics." "The more power that board has the better." "The establishment of that board was one of the best things

So the Board of Railway Commissioners needs no "boost" in these pages. It is the people's court. All the time and at any time, any citizen or citizens may go before the Commission without so much as a lawyer it a dollar bill and ask and get prompt pastice against the biggest reliway company in the land.

How this great modern tribunal acquires the information upon which to base its wise justice and how its maindates are carried into effect are matters essential to its work and existence. Judges may not adjudge without evidence, and judgments are vain things unless there be

So the Board of Railway Commissioners has a staft - persons who, like most civil servants, are but little in the public eye but who daily render Canada unmeasured service and without whom the welfare of the country would suffer woctully. This staff numbers, at present ninery persons ranging from engineers and mechanical experts of international reputation to messengers and stenographers. It is divided into several executive departments under the principal headings of "Traffic," "Engineering," "Record," "Secretary's," "Law" and "Operating," there being also several purely clerical branches. Each department has at its head an official of special training and long experience in his special line, having charge of, and responsibility for, a distinct division of the work of the Commission.

Just how much work there is to be done and how closely it concerns the welfare of the people of Canada may be indicated in a general way by quoting a few points from the last-published annual report of the Board. It shows that

2153 railway accidents, involving death or injury to 2,400 persons, were reported, of which number 406 were made the subjects of official investigation.

786 complaints were received and attended to:

694 cases were heard by the Board;

121 077 freight cars and 2.318 locomotives were inspected:

333 engineering inspections of trackage, bridges, crossings, etc., were made:

Hundreds of regulating orders were issued by the Traffic department;

A constant inspection of passenger equipment, yards, stations, rights of way, tences, fireguards, etc. was maintained by the officers during their constant travelling to and fro over every line of railway from Sydney to Prince Rupert.

All this means an accomplishment of unmense magnitude for the protection and comfort of the travelling public for the facilitation of commerce and for the safety of even those whose only direct connection with the railway business of the country is the risks they incur at grade crossings. Even the man who lives so remote from railway lines that he never sees the smoke nor hears the screech of a locomotive is not independent of the Railway Commission, for the Board regulates the treight rates which have so in portant a hearing on the cost of even the clothing he wears and the food he cuts. Everyone in Canada owes something to the Board of

The beadquarters of the whole organization is of course, in Ottawa, but the Operating department, for the prompt despatch of its work, has branches in Toronto, Winnipeg and Calgary

When the Board was created, the organization of its staff required much careful thought and the efficiency and economy of the system which has been built up is tribute to the ability of the Commissioners and their chief officers who had the matter in hand. Up-to-date business methods prevail. There are no musty traditions to be honoured and no useless rell tape is



H. L. DRAYTON.
CHIEF COMMISSIONER OF THE BOXED OF RAILWAY COMMISSIONERS.

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employed. Certain forms of procedure are rigidly adhered to, but these forms have been designed to at once facilitate and assure the precise performance of every act of public service discharged by the Commission. When a farmer reports the failure of a railway to keep a cattle-guard in repair, his complaint receives just as prompt attention as that of a great manufacturing company aggreed by alleged excessive freight rates. The express charges on a can of sour Canada against a multi-millionaire power company which nade free use of streets as right of way for its pole lines were all within the scope of the Commission. The staff prepared the staff officials saw that they were duly delivered and carried out. So the Commissioners need a doing their duty every day.

### Post Office Department

With  $\times$  in 1760 Canada became a British possession, a postal system connecting all the older British colonies with one another, and attached to that of the Mother Country, was in operation in North America, the system beauty makes the system beauty and the British possession and the system beauty makes the system of the system beauty and the system beauty and the system of th

System being under the control of the Postmaster General of Great Britam, who administered it through deputies of his own choosing, one of the earliest of these being Benjamin Frunklin, whose appointment dated from 1753. The post office at this time, and for many succeeding years, was not a popular institution, the high postage rates making this impossible. Franklin made no attempt to effect a reduction in the rates, although quite appreciating the value of good and satisfactory service.

In 1763, when the news of the Peace of Paris reached America, Franklin opened post offices at Montreal. Three Rivers, and Quebic, placing them all under the charge of Hugh Finlay, a young Scotchman who had come to Quebic in 1760, and who became the first resident Postmaster General. To system in Canada was connected with that of the other colonies by a comier service between Montreal and New York; weekly trips being performed by way of Lake Champlain and the portage to the Hudson, and down that river to New York, connecting with the sailing packet monthly for Great Britain.

Rates designed to meet new conditions were fixed in 1765. A rate of 4d, a letter up to 60 miles and 6d, up to 100 onles remained in torce, as before with 2d, a letter for every bundred miles beyond the first handred. From New York to Montreal and Quelice, the rate was then either place to Three Rivers. Between any two sca-ports the rate was 4d.

The American Revolution interrupted the postal service, and for some years dissatisfaction and discouragement prevailed. Eventually conditions improved and with the establishment of a mail route between Quebec and Halifax in 1788 post offices were opened at Fredericton Digby, Annapolis, Horton (near Wolfville) and Windsor.

Post offices were established in 1755 at Habíax; in 1784 at St. John, and in 1789 at Lachine, Codars, Cotean du Lac, Charlottenburg, Cornwall, Lancaster, Osnabruck, Augusta, Elizabeth-town (now Brockville) and Kingston.

After Hugh Finlay, George Heriot was Deputy Postmaster General, and he strongly urged the needs of the Upper Province for better mail service, York, Toronto) being completely isolated, although then, as now, the Capital

Niagara had a post office in 4789, but no regular service before 1804 and not until 1810 was a regular service given to Upper Canada. In that year fortnightly couriers were put on between Montreal and Kingston and the route maintained throughout the year. In 1811 a similar service was given to York and Niagara, with occasional trips to Aml erstburg.

Heriot resigned in 1816, and Damel Sutherland succeeded him. At this time the agitation for the control of the post-office by the colonies commenced and culminated only after the two provinces were united.



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Some instances to show the excessive rates charged may be editying. On a single letter carried by packet from London, Eng., to Quebee by way of Halitay 92 sents; to Montreal 96 cents, to Kingston, \$1.04, to Toronto, \$1.12, and to Amberstbing—the end of the postal system,

In 1827 Mr. Stayner succeeded as Deputy Postmaster General. During his tenure of other the agitation for redress of grievances was not allayed, a newspaper rate grievance being added to those already existing, and the British Government was forced at last to submit the whole matter to the law officers of the Crown. The Impetial Act of 1834 was the outcome, but its detects were so manifest that it was set aside and the Assemblies of both provinces fined then

In Lower Canada the subject was considered by a special committee of the House. This committee recommended that a provincial postal system be established in Lower Canada. In Upper Canada there was also a demand for a local postal system under the control of the Provincial government. Shortly after this the home gov rument placed the whole matter in the bards of Lord Durham, who in his celebrated report on the state of affairs in the Canadas, gave it as his opinion that there was great justice in the complaints of the Legislatures, and recommended strongly that at any plan for the united government of the colonies should be adopted, the control and revenue of the post office should be given to the colony. Mr. Poulett Thomson, afterwards Lord Sydenham - came to Canada in 1839, with instructions to give effect to the policy enunerated by Lord Durham, and he appointed a Commission thereon, whose report, made on the fast day of 1841, was the foundation of the re-organization of the department which took place after the

The period between 4840 and 4867 was one of great importance in the history of Canada's post office, mail transportation across the Atlantic and through Canada by steamship and ranway being the factors which brought about new postal conditions traught with immense poten-

Rowland Hill, the illustrious expounder of penny postage, saw on the 10th January, 1840 Lis great scheme of a penny per half-ounce rate adopted by the British Government to apply to every part of the United Kingdom, and thus the thin edge of the wedge was driven into the theory that high postage rates were demanded in order to maintain an adequate postal revenue.

In Nova Scotia, including Cape Breton) in 1841, there were 17 post offices and 51 subpost offices. Prince Edward Island had very indifferent mail accommodation at this time. although it had irregular communication with Nova Scotia in 1803, a packet service between Picton and Charlottetown in 1816, and in 1827 an inland service with a 2d, for letters and 1d.

Much contention arose at this period with regard to the conveyance of British mails between Quebec and Halifax, the British Government desiring that Canada should pay a share of the expense, which the Legislature of Nova Scotia refused to do. Accordingly a change was made in the landing place of British mails, and in 1854 letter mails for Canada were lateled at

Under Lord Elgin, who assumed office as Governor General at the end of January, 1847. a new c.a in Canada's postal affairs began. Lord Elgin met representatives of the two colomes of Nova Scotia and New Brunswick at Montreal, and discussed wite them the questions as to whether there should be one system comprehending a postal service in all the provinces or whether each province should have its own system; the result being that the letter proposition was deended upon — V3d, rate for any distance up to 300 miles was adopted, leaving other legislatures

Two deputies of the Postmaster General of Great Britain, were in office about this time (1840), one having supervision over the post offices in New Branswick. Nova Scotia and Prince Edward Island, and the other those in Upper and Lower Canada. These deputies did not recognize the existence of any local authority and, accordingly, much dissatisfaction prevailed.

When on April 6, 1851, the transfer of the control of the Post Office Department in the Province of Quebec was made by the Imperial Post Office a Chottes to the Provincial government, there were 601 post offices in operation; the gross revenue raised under the authority of the Imperial Post Office at the high tariff rates then prevailing, being for the preceding year £93,802 curr nev (8456,845).

Under the Provincial Act, providing for the management of the department after the transfer, a unifor a rate of 3d, per \( \frac{1}{2} \) ounce was charged as against that previously collected.

namely, 9d, per ‡ ounce.

In 1854, Mr. Peter LeSueur, father of Dr. LeSueur, the late esteemed and able Secretary of the department, was appointed to establish a money order system for Canada, and to Mr. LeSueur, Sr., is conceded the honour of maugurating a system which to-day has reached proportions that give cause for pardonable pride.

In Quebec, in 1855, the department occupied two adjoining dwelling-houses on Mount Carmel street, just west of Haldimand street; the staff of the department consisting of 16 or

Li persons

When in the tail of 1855 the seat of government, and with it the Post Office Department was removed to Toronto, that city had no direct railway connection with the East. The staff of the department numbered in the following year 23 persons, 5 of whom were under the Secretary, 6 in the Money Order branch, 2 in the Dead Letter office, and 10 in the Accountant's office. The Hon, James Morris was the first Canadian Postmaster General, the officers of the department under Mr. Morris being, Mr. W. H. Griffin, secretary; Mr. E. F. King, chief clerk; Mr. E. J. King, accountant, and Mr. Peter LeSueur, superintendent, Money Order branch, In 1854 the new post office at Montreal was opened for business.

The English mails used to be sent in those days in charge of special messengers, between Toronto and New York, Kingston and New York and Montreal and New York. These officers would start from the different cities mentioned with their mails in time for the outgoing steamer, and would receive the incoming mail and conduct it to its Canadian destination.

Postage stamps, which in 1840 were introduced in the mother land, were in 1851 first procured and issued for the prepayment of letters in Canada; the values of these being 3d., 6d, and 4s. The demand for these stamps was not very great and the sales during the last quarter of the year prompted the remark in the report of the Postmaster General that "the sales of the last quarter of the year would seem to demonstrate that the use of the stamps in prepayment of letters is rather diminishing than gaining ground in the community." Messrs, Rawdon, Wright, Hatch & Co., of New York, were the manufacturers of our stamps in the year above mentioned. The issue for the year amounted to £4,342 (821,247). To-day the arcrage issue daily is about double the annual issue in 1851, the issue for the fiscal year 1912-13 being 814,112, 927,63. It is evident that the little postage stamp is a popular piece of paper to-day

The railway mail service of Canada dates from the year 1854, the first service having been operated between Niagara Falls and London. In 1855-6 with the extension of the Grand Trunk railway westward from Montreal, railway post office service was put into operation on this section of the system. There were 1,293 post offices in active operation on March

31, 1855, as against 601 in April, 1851.

On February 1, 1855, the provincial money order system, which was based on that of Great Britain, was organized as already referred to), and operations commenced at 84 of the principal post offices, the operations of the first year showing a total of money orders issued anounting to upwards of £160,000. About this time a plan of registration was introduced in all the post offices, superseding the practice of recording only letters marked or distinguished as containing money. Any letter which the sender desired record of could, under this regulation be sent on prepayment of a registery fee of one penny. During the year 1855, the franking privilege was given to correspondence of the Legislature and of the public departments, and charges on the transmission of Canadian newspapers by post abolished.

In referring to the increased cost in transporting the mails by railway at this time, the Postmuster General, in his annual report, said: "Very important facilities are unquestionably secured in this way to correspondence, but at the same time another expensive feature is created be this peculiar requirement of Railway Mail Service." What would be the condition of Canada to

day without the "peculiar requirement" of railway mail service?



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Speaking of the accommodation at Toronto, the Postmaster General, in his annual report, states that, "The accommodation afforded by the tenement occupied by the post office at Toronto, appeared to be so entirely inadequate to the requirements of the city, that it was deemed expedient to secure, by the erection of a public building . . . . . the convenience and improvements urgently required by the increasing correspondence passing through the Toronto post office." The Toronto post office leads the Dominion to-day "by a large majority" in the extent of its postal operations, a fact which, in the light of its early activity in that direction, shows its ambition to be in very truth the "Queen City." During the calendar year 1913, the amount of the issue in postage stamps and other items of the stamp issue to the Toronto post office (which is also a stamp depôt) was \$4,739,190, the distribution and sale of which represents only one phase of the work of that office.

During the year 1857 the growing interest of Canada in connection with the Red River and regions of the North West, induced the government to authorize the establishment of mail communication directly through Canadian territory by way of Sault Ste. Marie, Lake Superior and the voyageur route to Lake Winnipeg and Red River. On the upper lakes mails were carried twice a month in summer between Collingwood and Fort William, and from the latter place by canoe to and from Red River. When navigation closed, a monthly service was kept up by show shoes and dog trains.

In his report for September 30, 1858, the Postmaster General refers to "free newspapers" transmitted annually as exceeding ten millions.

An interesting side-light into early conditions exists in the report of the Postmaster General of 1857, as to the use of postage stamps. "Moreover," he says, "the Department has been led, by the increasing use of postage stamps, to take measures for obtaining the Canadian postage stamps on sheets per arated in the dividing lines, to facilitate the separation of a single stamp from the others on a sheet when required for use."

Again, dealing with the railway mail service, he says, "This Railway Mail organization is fast assuming the proportions of a separate and most important branch of the establishment. Already more than 40 clerks are specially employed in the Railway Post Office, travelling, each clerk, from 600 to 1,000 miles a week in the performance of the above described duties."

In his report for 1859, the Postmaster Ceneral refers in these terms to the street letter boxes then adopted; "The experiment of placing street letter boxes in our cities, for the reception of letters, has been commenced at Toronto, and with very encouraging results."

A parcel post system was instituted in January, 1859; the weight limit of 2 pounds soon after having been made 3 pounds. The transmission of parcels by post was then necessarily limited to places within the province, and the revenue therefrom accordingly was small, about 84,600 per annum being about the average revenue from this source during its earlier years.

The succeeding years up to 1867 saw a gradual growth in postal matters in Canada. London got a new post office in 1860, which its increasing importance demanded

On January 1, 1864, an arrangement for the exchange of money orders between the post offices of Canada and Nova Scotia came into effect, and on July 1 of the same year Newfoundland, and in the succeeding year New Brunswick, came into the arrangement. Bill stamps and Lower Canada law stamps were up leptaken by the department for sale through the post offices, the postmasters accounting for sales of same. Sixty-one clerks were at this time employed in the Railway Mail Service branch of the department.

Referring to the difficulties of the service in New Brunswick on the Matapediae route, which for the first time during the winter of 1864-5 was made by horses, the Postmaster General says, "Since post communication was first established on the Matapediae route—now 29 years ago the mails have been transported in Winter by couriers, travelling on show shoes, aided occasionally by dogs when the snow was in fit condition for such animals, and the light sleighs they are accustomed to draw, and more than one courier has lost his life in the performance of this service, over a wilderness track of 96 miles in length, with but three or four places of shelter on the line." The delivery of Her Majesty's mails meant hardship in those days.

Under the terms of Confederation the general postal system of the Dominion, embracing

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all the post offices in the provinces then existing, which came in under the Act took the form that has grown into the system of to-day. The Post Office Act of 1867 passed in the first session of the Dominion Parliament, which took effect on April 1, 1868, provided for a uniform system of post office organization, and enacted a reduction in the rate of domestic letter postage from 5 cents to 3 cents per half ounce as well as reducing the charges in other directions. On April 1 of the same year [1868], the Savings Bank system was established when \$1 of the principal post offices in Ontario and Quebec commenced to receive deposits, the first year's deposits amounting to \$861,655 from 15.134 depositors, giving evidence of thatt and prosperity on the part

From January 1, 1870, an important reduction was made in the rate on correspondence with the United Kingdom from 121 cents to 6 cents per half owner letter, a marked increase in carrespondence following the reduction. This year 3 820 post offices were in operation, the revenue amounting to \$1.014.767, and the expenditure to \$1.155.261. In Ontario and Quebec many post office, were opened during the year, carrying postal facilities in every direction. In New Brunswick and Nova Scotia the extension of the rankway lines north and west of St. John to Fredericton, and to the United States boundary, also into Nova Scotia over lines in that province to points as far as Halitax - provided improved service to these sections - In the middle and far west to Fort Carry new arrangements were made that offered greatly appreciated mad

In June, 1871 post eards were first introduced; the demand for stamped envelopes necesstrated their issue in the 5 cent and 10 cent denominations as early as 1860. Postmasters of to-day may be interested to know that when the post offices of the several provinces of the Donumon came under a central administration in July, 1867, it was found that in Ontario and Quebec postmasters, save at the chief cities, were always paid by a commission or percentage on the postage collecte Lon the letters and other postal matter posted at and delivered from their respective offices. In Nova Scotia, postmasters and way office keepers were found to be receiving annual salaries. In New Brunswick the compensation was partly of the natine of a salary. and partly of a commission. A general scale of compensation was adopted on January 1, 1870.

In 1872 the postal business of British Columbia and Manitoba was included for the Inst time in the accounts of the Dominion. New post offices and new routes became established. time in the accounts of the Dominion. Ack past ources and new routes occame established and from September 11, the Intercolonial railway, between Truro and Amberst, N.S., was used for mail transportation, a distance of 77 miles, uniting the Nova Scotia system of railways with the railways of New Branswick and the United States, and giving a continuous line of railway mail communication from Habitax to Montreal and Ottawa, and to other cities of Quebre and

On November 1, 1872, a reciprocal postal arrangement with Newtoundland went into effect and the prepaid letter rate was reduced from 12! cents to 6 cents.

In 1873 a post office inspectorate at Victoria was established. Prince Edward . into Confederation, and 180 post offices were added to the number already in operation in the Dominion. Besides tree delivery by letter carriers in the principal cities which followed in 1874. other advanced teatures were adopted, such as present-day treatment of dead letters, and the sale of postage stamps by stamp vendors. In this year Mr. J. Cummigham Stewart was superintendent of the Savings Bank branch; Mr. W. H. Griffin, Deputy Postmaster General; Mr. P. LeSuear, chief superintendent, Money Order branches: Mr. Wm. White, secretory and Mr. H. A. Wicksteed, accountant. The money order systems in the provinces were under the supervision or local superintendents at this time.

On October 1, 1874, tree delivery by letter carrier went into operation in Montreal; and in Toronto Quebec, Ottawa, Hamilton and St. John in the following year. Previous to this a charge of I cent on each letter and newspaper was collected on delivery by letter carriers. The Post Office Act of 1874, which took partial effect on May 1, 1875, made many and important changes at the postal system of Canada, chiefly in the adoption of the principle of compulsory prepayment in respect of all matters passing by post within the Dominion, and in the reduction of the charges on newspapers, periodicals and miscellaneous articles. A 5 cent rate between



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Some City Postmanters

Canada and the United Kingdom was adopted and three passtration stamps used terrely. a great and the Chiten rengions was another and once observation of units seem to mercy, a 2 cent red stamp for the registration of letters within the Dominion a 3 cent green stamp for registered letters by the I intel States and an Scent library imprior registered letters to the Interf Kingdom Since 1893 no distinctive stamp has been used experience having thight the department that the ordinary stamps were preferable and prevented confusion.

In Hantax letters and papers have been delivered by letter carriers since 1851. When this syst up begin at Montre de Potonto Queber and On tweethe letter carriers were part regular sil trees and the trees eatherful by them were brought to revenue account. At Hamilton and St. John the carriers received no solutions but retined any completisation for their services the ties on to I tiers and papers they delivered brought them. Fosday letter carriers we paid a per diem en einteringing from \$2 to \$3

In 1855 there were only 55 miles of railway used for more purposes, in 1875 there were 1476 and on Many of last 28 790 nmles. Mails began to be carried over the Prince I dward Island ranks on Jane 1, 1875. The Intercolonial ranks what been extended the previous very treme. Campbellion to Moncton, affor ling thereby a better service to the country intervening

In 1871 retrings was made in the manner of treating school's letters wherefor all such letters organizing in Caracle where the address was given were returned to the widers. Previous to this qual aim a letters were advettised, the cost of some being considerable

On June 17, 1875, meals by Canadian mail steamers to and from Laverpool yer Londonderry were first landed and endarked at Rimonski by steam tender that greatly accelerating tre mails niwards and outwards. The following two years were not eventful

The opening of new post office buildings in Montreal, St. John, and Ortawa the establishment of the letter carrier delivery at London April 21 1876, and the opening of the Intercolonial r niway throughout its entire length, by which Halitix and St. John were connected with the whole radway system of the Dominion, were some of the occurrences that may be noted. The appliestion of Cateda for idinission to the Postal Union not proving successful the charges on postal matter between Counds and the United Kingdom were assimilated to the Postal Union rates and a convention arranged with Germany from April 1 1877 for the exchange of mails between that Empar and Canada under the conditions of the Union. On July 1, 1878 Canada was selmi ted to be a member of the General Postal Union, and in consequence the rate of letter postage between C mada and all Europe became one uniform charge of 5 cents per half ounce The importance of Canada postally speaking, was thus fully recognized, and we were given a Voice in the future settlement of the conditions of postal intercourse between the nations of

Having in mind the splendid proportions to which the issue of postage stamps has grown today, when the department looks forward to a \$15,000,000 issue for the fiscal year, it is interesting to refer to the issue of \$1.513.208.66 for the fiscal year 1878, and to compare this annual issue with the issue for the worth of December, 1913, which reached the large amount of \$1,661 999.89. Only by giving such comparisons can be conveyed to the mind how great has been the expansion within the past thirty years | During 1878 there were 769 Money Order and 297 Savings Bank offices in the Dominion.

The growth in the postal service in Manitoba, Keewatin and the North West during the ten years previous to 1880 was very remarkable. In 1871 there were but 6 post offices, in 1880 there were 147 of which 79 were established within the 14 months previous to June 30, 1880. The only provision made for the correspondence in 1871 consisted of a single bag twice a week in a Red River cart between Winnipeg and the United States frontier at Pembina.

In 1881 the Money Order and Savings Bank branches were amalgamated, with Mr. J. Cumingham Stewart as superintendent of the united branches. Mr John Dewe was Chief Post Office Inspector—On January 2, 1882, railway mail service over the line of the Canadian Pacific railway between Winnipeg and Brandon was established.

In the following year the postal service in Manitobe and the North West continued to expand, the completion of the Canadian Pacific railway to Calgary, 846 miles west of Winnipeg making it possible to provide mail service by train to that point, 224 additional post offices were established during the fiscal year, a total of 6 395 being in operation in November, 1883.

The postal revenue collected during the year ended June 30, 1983, was \$2,264,384.94. The value of the postage stamp issue for the year was \$2,178,606,55, only about one half a million dollars in we than the issue for one month at the present time.

In November, 1885, a daily postal car service was first operated over the line of the Camadam Pacific railway between Montreal and Winnipeg, which proved to be the precursor of a greater event, and one that marked a memorable epoch in the history of Canada and her mail service, when, on June 28, 1886 the first through train left Montreal for Port Moody, the terminus a continuous daily line of mail service by postal car then being established between Habitax and the Pacific coast, passing over Canadam territory all the way, a total distance of 3.740 miles,

Fig. Canadian Parcel Post, that commenced in January, 1859, under which parcels were transmitted within Ontario and Quebec, saw a slow but marked development, and in the first year of Confederation was much better appreciated. Previous to August, 1885, the system did not extend beyond the limits of the Dominion, but in that month an arrangement went into operation for the transmission of parcels between the United Kingdom and Canadia.

The Money Order and Savings Bank systems continued to show a steady increase in transactions; 910 Money Order offices and 392 Savings Bank offices being in operation on June 30, 1886. The Savings Bank system, established April I, 1868, has always been, but more particularly during the earlier years of its operations, of great benefit to the people of the Dominion is chartered banks were not so generously distributed throughout Canada in 1886 as they are to-day. On September 1, 1885, the system was extended to the Provinces of Nova Scotia and New Brunswick.

As a result of the opening of the Canadian Pacific railway to the Pacific coast in 1886 direct transmission of correspondence between Canada and Japan and China was established

On January 1, 1888, Mr. H. A. Wicksteed, the accountant of the Department, retired, after 18 years of official life during which he had seen many changes and given faithful service. The several accounting branches of the department; the Accountant's, the Cashier's, the Money Order, and the Savings is an aranches were on February 1, 1888, placed under the change Mr. J. Cunningham Stewart with the title of Financial Comptroller. On June 30 of the same year, Mr. W. H. Griffin, who became Deputy Postmaster General at Confederation, retired, and Col. Win. White succeeded him. Mr. W. D. Lesueur succeeded Col. White as secretary, and Mr. W. H. Smithson was made accountant. The death of Mr. J. Cunningham Stewart on December 26, 1888, and the retirement of Mr. John Dewe, Chief Post Office Inspector, removed two highly respected and able officials from the service of Canada. Mr. Dewe was succeeded by Mr. Matthew Sweetman.

The Deputy Postmaster General, in concluding his report for the fiscal year, 4889, says with reference to the introduction of women into the civil service, "Whilst they have in no way lessened its efficiency, their presence has tended to improve the morals of the Service, and to introduce a courtesy in the conduct of business which men working by themselves are too apt to despise." Col. White adds, "Several of the young ladies recently appointed to the post office service have shown remarkable aptitude in acquiring knowledge of their duties." The foregoing is interesting in the light of the numerous appointments in recent years of the "gentleist".

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The revenue and expenditure of the department throughout the preceding years were very vital issues in its administration. Although the revenue gradually increased, the expenditure largely owing to the excessive cost of serving a new and growing country, kept pace with it. In 1890 the fiscal year's operations showed a deficit of 8717,080.96.

By the sudden death of Mr. Thos, P. French, Post Office Inspector of the Ottawa division November 7, 1889, the Department lost a valuable officer. Mr. Frank Hawken (since retired) was appointed to the vacancy.

The Postmaster General's report for 1893 says, "The establishment of direct commune cation between Canada and Australia by a line of British steamships, calling at Honolulu and Fiji, has completed the last link in the chain binding the great colonies of Canada and Australiand the Mother country together; and, as affording the means of direct mail communication be

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tween t made and Australia may justly be recorded as less to the most important exent in the bistory of the Canadian post office since the opening of the Canadian Partic Rulway to Vin-On May 18 1893 the Winner made her first top to Vancouver

Liven in 1805 extreme conditions existed in serving Manifolia the North West Territories and British Columbia, and no doubt to-day to in adians in temote places that in verto be found in such a broad land as ours receive their trail very message panels and it a cost of much expense and hardship. But we live in a day of big things for Camida, and it unhappily a rease place where this Wijesty's mails are not at present welcomed by His loyal subjects, such conditions.

On line 30 1895 Mr. W. H. Smithson, who succeeded Mr. H. A. Wicksterd as necountant. ter red and Mr W. J. Barrett was appearated recommunity from July 1, 1895. Mr James Plunkett superintendent. Postage Stamp branch, died during the year and Mr. E. P. Stanton was appointed to the superintendency. Previous to Mr. Plankett's appointment to the position.

I we matters of intensit which occurred in 1807 may be noted one the issue of a special set of postage tamps commemorative of the Dramond Jubilee of Her late Wijesty Queen No form and the other the establishment of the Railway Mad Service branch under the super-Asson of Mr. B. M. Attustiong with the title of Controller. When the larger was formed on April 1 1897 attribed thereto there were 9 superintendents 389 radway in al clerks and 46 transfer agents. Forday there are H superintendents and in round figures 1 000 r dway mad

branch was decentralized of important changes were introduced. On July 1 the Dead Letter and Victoria for the stream at of dead letter matter of all kind. At Charlotti town St. John. Sherbrooke Queber Kingston, Hamilton and London branches were established for the treatment of mail matter other than letters. This unnovation has proved a great benefit. At the same time the department established a system of special delivery meetics in which made carrier same time the department estimated as a secured special near the period of the purpose of the purpose of providing the public with a cheap and convenient means of remitting small sums of money

On July 1 1898 Mr. David Matheson, superintendent of the Savings Bank branch, retired owing to ill health. Mr. W. H. Harrington succeeded him, and is ver superintendent of the

On January 1, 1907, stamp depôts were established at Winnipeg, Calgary and Vanconver to meet the expansion in the North West. Later depôts were established at Toronto, Regum.

It may be observed here that every sheet of stamps, now amounting in value to over \$11. 000 000 worth annually is examined and checked in the Postage Stamp branch when received from the manufacturers and again when issued to the stamp depots and post offices of the Dominion the checking process requiring to be done by employees of the branch who sheek each other's work before the amount of the requisition of each postmaster or stamp depot is allowed to leave the department. All post cards, etc., are also carefully checked, and issued in quanti-

Last but not least in postal evolution must be mentioned the Parcel Post system established on February 10, 1914 which all anadians hope may be a splendid success.

There has been no attemy a commetate in this arriele the names of all the Postmasters There has been no arrown a commercial in this arrive mannes of an one Postmasters General, nor have the names of all the leads of branches of of those who held and still hold

It has not been possible in the space of a few thousand words to cover 150 years of depart-It mis not been possion in the space of a new thousand whiles to cover the years of departmental fastory with any degree of satisfaction. The proper treatment of the subject would require volumes. But it is hoped that what has been collated will be found sufficiently interestrequire volumes. Due it is importantly what has been consider with the important in the reader. The future of Canada is destined to be great and , orions in the of government service will be a greater factor in her

# The men at the head who are responsible for the working of Canada's Post Office Department, February, 1914

R. M. Coulter, M.D., C.: Captain H. B. Verret W. J. Johnstone	Supt. Dead Le Supt. Postage Supt. Mail Ser Controller of J Supt. Annuiti	aster General, uty Postmaster General, erintendent  Order Branch Bank Branch stal Stores etter Office Stamp Branch wice Branch Railway Mail Service es Branch Iail Delivery Branch
George Ross J. S. O., Cl. L. J. Gaboury, Chief Po. L. J. Gaboury, Chief Po. W. E. MacLellan Po. John F. Whear J. N. R. Colter S. Tanner Green C. L. V. Gaudet P. T. Coolican Henry Merrick Alex, Sutherland C. T. Campbell H. H. Phinney E. H. Fletcher J. R. M. Greenfield D. A. Bruce A. W. Cairns F. M. MacNaughton John Chamard A. Limoges J. L. E. Dastous	miet Post Office Supt., (W. D.) st Office Supt., (E. D.) st Office Inspector	Toronto Montreal Halifax CF arlottetown St, John Quebec Montreal Ottawa Kingston Toronto London Winnipeg Victoria Vancouver Calgary Edmonton Moosejaw Saskatoon North Bay Sherbrooke

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### Superintendents of the Railway Mail Service

F. P. Bent	Nova Scotia Disti	riet	Halifax
John F. Whear	. P. E. Island		Charlottetown
A. J. Gross	. New Brunswick		St. John
O. Z. Talbot	The second secon		Quebec
F. Briegel.	Montreal	4.4	Montreal
Chas, Plumb			Ottawa
J. E. McLeod .		6.6	Toronto
R. G. Mercer	Londor	4.6	
C. E. Kavanagh	Winnipeg	44	Winnipeg
C. A. Hislop	Moosejaw		Moosejaw
G. D. Davidson	Calgary	14	Calgary
J. O. MacLeod	British Columbia	46	Vancouver

## Accountant's Branch

This branch is in tour sections: the Revenue, Expenditure, Salary Warrant and Postal Note divisions.

The Revenue division is closely connected with the Money Order Branch, the two torming, as it were, a great mortised beam in the frame work of the Post Office Department. The Money Order Branch has the initial auditing of the accounts to attend to, since all returns from the accounting offices come direct to that branch, but the Revenue division must attend to the important work of seeing that each postmaster's cash is all right, and that makes it a central point portunt work of seeing that each postmister's cash is an right, and that makes it a central point which the transactions of almost all the branches of the postal service converge. Not only must the officials of this division see that every cent collected for Money Orders is accounted for, but their eyes must be on the supplies of postage stamps and postal notes in the postmaster's founds. They must take care that not one Sayings Bank deposit goes unchecked, not one Amontics payment is overlooked. The division is in contact with hundreds of banking offices, cach acting as an agent of the Department in the collection of jost office cash. The Money Order Branch has relations only with the larger post offices, but the Revenue division must follow the laismess of every postmaster, down the lone widow at the cross-roads who keeps her credit supply of postage stamps on the kichen shelt. Some day a book will be written

The Expenditure division deals, of course, with disbursements, and mainly with disburse-The expenditure division deals, of course, with dispursements, and mainly with dispursements under parliamentary appropriation. The salaties of the postmasters and clerks at the city offices and of the railway mail clerks, the amount due on mail contracts and all and sundry decounts which yes an accountant's soul, are paid here. The duties of the division demand accounts which vev an accountain's som, are paid here. The duries of the division accurance accuracy, industry and patience. This division will have the oversight of over thirteen million dollars next year. But not all payments are made by the Expenditure division. The Post Office Department makes large distursements from the Revenue direct by means of warrants. The salaties of the postmasters at the smaller offices and the commissions due them on memory order, postal notes, savings bank and Annuities business are so paid. This mode of payment is quite peculiar to the post office service. The postmaster at Carleton Place, say, receives in a year, the sum of \$7,000 for the sale of stamps and for rent of post office boxes. His salary is based on these collections. The Salary Warrant division issues a warrant to him each quarter and this warrant entitles lain to pay his own salary out of the cash in the official till. If he reeds help to run his office he must pay me own samp our or the cash in the omena cm. It is received help to run his office he must pay for that our of the allowance he receives. The Department holds him along tesponsible, however. Each one of the thousands of postmesters throughout noise min anner responsance, newever. Then one or one mousands or positive enough the country outside the city offices, is paid in a like manner. This is no work for children.

The Postal Note division might seem to be a smaller Money Order Branch, but in many ways its scope is more extensive. We all know the white and blue notes so easily purel ased. at times, but how many of us pause to consider the ramifications of the business of which the note is the visible sign. A postal note may be purchased at any Money Order office and at more is the visione sign. A postar none may be purchased at any stoney after their and are many offices that do not do money order business. The pestal note is near-mency. It is a many ounces that no man no money other business. The pescal none is mear-newly. At its a money order half way on the tolad of evolution into a bank-note. Great care must be taken in issuing and accounting to such valuable instruments of exchange. The watchword of the Issuing and accounting to such variable instruments of exenange. The waterword of the Postal Note division is system. The notes are so well registered and indexed, that they are on hand for reference in cases of dispute about payment, which often arise. Money Order Branch

The Post Office D partment is one of the greatest financial institutions of the Dominion. Consider these figures illustrative of the work of the Money Order Branch for the year 1912-13:

Money Orders issued Amount of Orders issued Money Orders assued	the Work of the Money Order Br	fitutions of the 13 anch for the year
Money Orders paid.  Amount of Orders paid.		$\begin{array}{c} 8101.153.272.42 \\ 869.440.073.02 \end{array}$



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There were on March 31, 1913, Money Order offices to the number of 3,923 in operation in Canada, and all over the world there were postmasters acting as agents of the Canadian government in the transaction of postal order business. During the year 1912-13, Camada issued 1.158,453 orders on Great Britain, 949,324 on the United States, and 12 on Fiji, while Great Britain required us to pay 73,616 orders for her, the United States 471,026 orders, and the Fijians themselves had 15 payments to make in Canada; all which the Canadian Mency Order Branch executed. And in between these extremes can be listed the transactions carried on with Austria, Bahamas, Denmark, Japan, Mexico, Tasmania and many others "too memerous to

This work, as far as Canada is responsible, is attended to by a superintendent and staff at Ottawa, the Money Order Exchange Office, and the postmasters and other officials in charge of the four thousand "accounting offices" dotting the expanse between Sydney and Dawson. These men are mostly under bonds and their work is subject to the supervision of a corps of inspecting officers. At some offices there is a steady stream of applicants for orders, with funds for dispatch to T. Eaton and Son, or to Italy, according as the purchaser needs a trying pan sent by Parcels Post or has an old mother waiting for her monthly pension on the banks of the Tiber. The head office at Toronto issues a hundred thousand orders a year. At other offices there may be only one order a day to be issued. Yet there, too, must the machinery be in operation and all the records and accounts kept as faithfully as in the metropolis. But this brings us up to the work of the Accountant's Branch and to that we cross, regretting that space will rot allow a description of the intricacies of the work of the Exchange Office, and of the staff which has to follow an order issued at Aberfeldy, Ont., until it returns as a paid order from Ymir, B.C.

### Post Office Savings Bank Branch

This branch was instituted under 31 Vie, Chap 10. The growth of the business and the popularity of the government as a trustee of the people's money may be estimated from the fact that the number of offices doing business have increased from 81 in 1868 to 1,212 in 1913. The business done by the officials of this branch may be estimated by the fact that 40,120 new accounts were opened during the year 1913. Offices are authorized to do a savings bank business on the recommendation of the inspectors. A staff of 50 clerks are at work in this branch at Ottawa. At the close of the fiscal year 1913, 842,728,941 were on deposit in this branch.

### Postage Stamp Branch

Although small numerically this branch deals with big things and looms up large when the question of revenue is taken into account. For instance during the fiscal year 1912-1913 the issue of postage stamps, etc., from the Postage Stamp Branch amounted to \$14.112.927.63 and out of this issue were sold \$13,460,334,51 worth to the people of Canada. The gross revenue of the department for the same fiscal year amounted to \$15.671,628,37, and therefore all the revenue except \$2,211,293,86 was derived from the issue and sale of items of the stamp issue.

The past few years have been Canada's growing time, and no branch of government has had its finger on the pulse of prosperity with more certainty of progress than has the Postage Stamp Branch. From an issue of 85,492,433.15 during the fiscal year ended 31st March 1903, the issue has gone up to almost \$15,000,000 during the last fiscal year. So greatly did the work increase in connection with the issue that a few years ago six stamp depots were established throughout the Dominion, namely, at Vancouver, Calgary, Regma, Winnipeg, Toronto and Hahfax, where stamps, etc., are sent in bulk and from thence distributed as required to post

All stamp supplies are manufactured by the American Bank Note Co. at Ottawa, and these are checked sheet by sheet and item by item when received at the Branch, necessitating an amount of work not generally appreciated. The stamped envelopes are manufactured by the Printing Bureau, for which the demand is steadily increasing.

The issue of stamp licenses and permits also comes under the Postage Stamp Branch, the

system being one that lends itself to security for the department in the sale of stamps and accommodation to the public generally. There are over 3,000 accesses and permits now in existence.

Mr. E. J. Lemaire succeeded the late Mr. E. P. Stanton as Superintendent of the branch in May, 1912, and has shown since his appointment much of the ability and energy that characterized his career as private secretary of Sir Wilfrid Laurier when Previer. Mr. Lemaire's staff numbers seventeen, Mr. E. L. Taylor being Assistant Superintendent.

#### Postal Stores Branch

Every post office in the land has to have an equipment, scales, dating stamps, seals, Every mail route must be provided with meil bags. Every letter carrier must have r uniform. The Department at Ottawa, the Railway Mail Clerks, the Post Office Inspectors, must an be provided with stationery. This is a branch of the postal service that must not be left to chance and hazard. And it is not so left. The Postal Stores Branch is one of the most efficient business institutions in the country. A glance at its shelves of envelopes, books and forms would make many a stationer gasp. Yet not an article is kept in reserve that is not needed before a new supply can be obtained to take its place. The responsibility in connection with some of the supplies ordered and safeguard, d by the Controller is very great. Money Order blanks, for instance, are kept in stock for each accounting office in the Dominion. They are numbered serially and each book, each number, must one day or another be accounted for, A book of Money Order blanks in the hands of a crook may cost the Government some hundreds of dollars.—The Postal Stores Branch is by all odds the biggest customer that the King's Printer has. The number of forms needed for the postal service, with its deviations into Savings Bank, Annuities, Money Order and Postal Note business, is enormous. The men who handle and check the receipt and disposal of these supplies must know their business, else the annual surpluses, so beloved by the Minister, might be ome deficits. Post office business is run on a small margin of profit. The Controller of Postal Stores is called upon, therefore, to be economical and to be both economical and efficient is the end that the present Controller has attained atter many years of faithful service

#### Dead Letter Office

There is a funereal atmosphere associated with the name of this branch, and yet all "dead" letters are not actually dead. Many of them may be resuscitated, and this "process" is undertaken by the Dead Letter Office with a measure of success, a fact which the sender frequently learns with surprise or chagrin when the return of imperfectly addressed or otherwise undeliverable mail matter is made. Its return may be due to a number of causes, such as removal from address given, etc., etc., any one of such causes eventually turning the unfortunate letter or package to the Dead Letter Office. However, a large percentage of the "dead" mail must remain dead, owing to the omission of the senders to supply complete name and address.

Since the decentralization of the Dead Letter Branch, July 1, 1898, when branch offices were established at Toronto, Montreal, Halifax, Winnipeg and Victoria for the treatment of dead letter matter of all kinds, and at seven other points for the treatment of mail matter other than letters, a decided improvement resulted in the system, and the people of the Dominion greatly convenienced thereby. Previous to decentralization all letters, etc., that failed in delivery were forwarded to Ottawa for treatment, serious delay and needless handling of same in transit to and from the Capital resulting therefrom.

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Under the decentralization scheme, districts were formed and a branch dead letter of a established; undelivered mail matter within the radius of the district concerned, requiring to be sent to the branch dead letter office in that district. The Ottawa district, however, besides treating all dead mail matter in its own district, treats all foreign "dead" mail of whatsoever kind; the same having to be ferwarded to Ottawa from the post offices throughout the Dominion.

It is hardly conceivable to what extent or purpose people use His Majesty's mail service,  $\Lambda$  glance at a report of the branch under consideration reveals a long list of articles from aprons

and baby bibs to yeast cakes and zam-buk. Such of the letters or articles as cannot be delivered or re-addressed to their owners or the senders, must be consigned to the flotsam and jetsam, which in time finds its way into the hands of the highest bidder at the annual auction sale. These "dead" ones must make room for others doomed to a like fate, of which there is a continual flow on the tide of the affairs of men. At the sales referred to, there is much speculation as to the contents of the packages before these are "knocked down," and in the majority of cases anticipation is much more enjoyable than realization, for the purchaser a crusty backetor may be the possessor of a corset cover or baby's bottles while a fair bargain hunter may be the owner of something in gentlemen's apparel.

#### Mail Contract Branch

His Majesty's mail passes through many hands and is carried in many and various vehicles. The railways take tons of letters, papers and parcels daily, the steamships act as carriers from port to port and from continent to continent, the stage coach still moves on its patient journey in regions unblessed with the locomotive, and in some districts the wheelbarrow, the bicycle of the human back is the agency employed by the State to serve its postal customers. Not all these modes of transit are under the supervision of the Mail Contract Branch. The Railway Mail Service attends to part. There is work enough left, however, in the numerors special services to keep a busy staff employed at Ottawa. Thousands of contracts are let or renewed yearly; complaints about existing services or applications for new services, are ever coming in and this work cannot be pigeon-holed. Small contracts, under \$200 may be let without tonder, but contracts involving larger amounts must be advertised and awarded, unless for very special reasons, to the lowest tenderer. If the contract calls for the payment of over \$1,000 an Order in Council must be obtained for the purpose.

How can the Ottawa staff cope with this work which concerns, in the main, the out-of-way places of the Dominion? Here is where the Post Office Inspectors and their staffs, so indispensable to all departments, come in again. They are the eyes of the Department, and it is upon their report that the Mail Contract Branch act. Without the inspecting staffs the Department would be a blind giant.

It might be expected that with the expansion of railroad building, this branch would gradually lose its field of work, but this is not the case. The Rural Mail Delivery service has called for much greater activity on its part, and now that Parcels Post is here, it is difficult to forecast what new burdens may be laid upon a staff already burdened with many details of administrative work.

#### Railway Mail Service

The railway mail clerks, who were once termed a "peculiar requirement," are to-day an indispensable requirement of our modern business life and activity. Their work is exacting and responsible and on holidays as on week days, and not infrequently under trying conditions, such as inadequate accommodation, poorly equipped and poorly heated cars, they are obliged to work exposed to all sorts of weather. The postal car being usually next to the locomotive, the aspect of danger is greatly accentuated thereby, and the life of the railway mail clerk shortened by the constant strain upon him. He has to be equal in educational, moral and physical fitness to a clerk in any other branch of the service: Le is, while on his run, working in a railway post office, performing most of the ordinary details of a pesticaster's duty, receiving, assorting, distributing and despatching mail matter  $\omega$  all kinds, and carries on his work at great hazard to himself. He is a most deserving class of employee. The Canada of to-day could not exist without her splendid public servants—the railway mail clerks.

#### Annuities Branch

The Canadian Government Annuities business is one of the later developments in governmental activities. The Annuities Branch has been in existence for just a little over five years,

and, although from the outset it used the postmasters of the country as its agents, it did not become a part of the Post Office Department until January, 1912. There are two sides to the work of this branch. On the one hand the branch, like all other branches of the public service, deals with the business that comes to it. But the Annuties Branch has other functions as well. It seeks business and seeks it after the approved methods of the business world. The Money Order and Savings Bank branches have to deal with the public, but they do so with all due formalities in black and white type. The Annuties Branch puts all the colors of the rainbow under tribute when it has a few words to say to the people. There is the distinction. The other branches deal with the public, the Annuties Branch with the people. The Annuties Act, the charter of the branch, emphasizes in its preamble the need of promoting habits of thrift in the community. So the branch has become an educational institution and, even though the receipts on Annuties account should shrink entirely, the branch would find a justification for its existence in the sermons on economy it has preached. The publicity work attended to by the branch is its distinctive feature.

Hundreds of circulars and pamphlets are sent out daily, while the Superintendent and his correspondence staff is kept busy answering letters asking for this and that piece of information regarding the scheme

#### Rural Mail Delivery Branch

In creating, on April 1, 1912, a special branch of Rural Mail Delivery, now composed of a Superintendent and a Staff of 12, the Post Office Department had, for its object, the rapid development of that system which had become a pressing need throughout the country.

The first rural route was established in October, 1908, between Ancaster and Hamilton. Three years later or in October, 1911, there were 614 routes serving 16,015 boxes and at present there are 2,114 routes serving 81,450 boxes, divided among the different provinces as follows:

		No. of Boxes
Ontario	 	€2.700
Quebec		5.324
Nova Scotia		1.704
New Brunswick		3,551
British Columbia		1.687
Manitoba		648
Alberta		535
Saskatchewan		398
112		81-130

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The Standard length of a rural route is a circuit of 25 miles, arranged in such a way as to prevent, if possible, the courier travelling over the same road twice the same day. Shorter routes are of course established, according to local circumstances, so as to give the quickest possible service from an office located on or near a railway, and enjoying good Railway Mail service.

When a petition is received at the Department for Rural Mail Delivery it is referred to the Inspector of the division in which the locality is situated. The route is personally laid out by field officers under the Inspector's charge and then recorded to the Department.

The use of locks on boxes is not considered necessary, as the absence of same simplifies the courier's task when collecting mail from the boxes, which number as many as 450 on some routes. Full protection is given by law to such boxes and their contents. Rural couriers are required to deliver to the box of a patron all mail matter addressed to the patron's family or in his care and collect all mail deposited in the box for despatch. The box is so contrived that the position of the box on the arm to which it is attached can be easily changed from lying length wise along the arm to directly across the end of it. The arm itself should lie along the road in

the direction of travel either way. When the box lies lengthwise along the arm, it is a notification either to the courier or to the patron that no mail matter has been deposited therein On the other hand, when the position of the box is across the end of the arm, it is an indication to the patron or the courier, as the case may be, that the box contains mail matter. The position of the box on the arm can be easily changed from lengthwise to crosswise.

Rural couriers are required to all stamps, register letters, giving proper receipts therefor, and accept money for the purchase, from the Distributing Office of Postal Notes and Money Orders for which receipts must be given to the patrons. They will also effect the payment of postal notes and money orders whenever required to do so by the patrons. They will also deliver Registered matter, the patron being notified one trip ahead of the date of delivery, so that he may meet the courier at the box and thus give the courier a receipt for said registered article.

They will also receive and deliver Parcels Post packets and will give receipts for the insurance of such parcels whenever required to do so by the patrons.

It will thus be seen, by what precedes, that the Rural Mail Delivery system has been so actinged as to grant to the farmers of this country a travelling post office at their gate giving tarm even more privileges, i.e., the sale of stamps. Money Orders, Postal Notes and Registration of left is than now enjoyed by the city residents with Letter Carrier Delivery and it is not, therefore to be wondered at that the system is excreedingly popular with the farmers and its rapid expansion is thus explained.

Furthermore, now that the Parcels Post Delivery has come into operation, the Rural Mail Delivery system, amongst its already numerous advantages, will bring the producer and the consumer closer together doing away with the "middleman", and thus, no doubt, contribute in a practical manner to solve the much discussed problem of reducing the high cost of living

### The Post Office Inspectors

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The Post Office Inspectors have been called the "Eyes and Ears of the Postmaster General." They are an exceedingly able and painstaking class of officials, their work is difficult, demanding at times much tact and resource. That the service is free from serious disorders is due in a large degree to the oblity and intelligence of the men who hold these positions. There are eighteen Inspectors at the present time in the Dominion, they are stationed at points in the different provinces, where supervision over their respective divisions can best be carried out.

This branch of the Department is one of the oldest, inasmuch as it, together with the Accountant's Branch, dates from the year 1832. The Inspectors were first known as "Surveyors," their daties from the beginning being onerous and exacting. In recent years these have 'nultiplied and to-day his range of responsibility is wide. He is required to enquire into every applied and to-day his range of tresponsibility is wide. He is required to enquire into every application for a new post office, effect transfers and closing of offices, make contracts for all land mail service, instruct new postmasters in the duties of their office, inspect accounting offices, lay out rural mail routes, enquire into complaints of all kinds under oath or otherwise; an Inspector having the power of a magistrate in holding enquiries under oath. Besides, the Inspector has to unearth all irregularities and erimes from the use of an already used postage stamp to the burglary of a post office, including not only the thetr of ordinary letters supposed to contain money and abstractions of contents from registered packages, but also the unearthing of the many fraudulent concerns which are continually popping up under alluring and high-sounding names. The detection of crime is a source of endless worry to the Inspector, who, like the fireman, must be ready day and night to start at a moment's notice for any part of his division to investigate the robbery of a mail bag or the burglary of a post office.

All serious complaints received at the Department through the different branches, are invariably referred to the Inspector, who is thus made the mainstay of this huge establishment, the Post Office Department.

Thus it will be seen that the "Eyes and Ears of the Postmaster General" fitly describes these unportant officials—the Post Office Inspectors, and that they keep their eyes and ears

wide open night and day is acknowledged and is evide real by the manner in which they smooth or remove the difficulties continually arising in the measagement of Canada's Post Office.

#### The City Post Offices

The City Post Offices are great workshops where night and day men are kept at high tension in expediting the receipt and despatch of mail of all kinds, and where they require to be constantly on the alert, in order that prompt delivery and efficient service may result to the public concerned.

First, there is the executive officers of which the Postmaster is the immediate head. He has distinct duties and takes his position seriously, striving at all times to see that his post office gives to the people the very best possible return in satisfactory service.

Next the Assistant Postmaster, who comes into contact most with the employes, and whose position calls for constant supervision over the work generally. He is required to be a man of somelyidgment, tact and business ability. To him his superior must look for the smooth running of the post office machinery, which must be kept well oiled so that no friction may occur to prevent the rapid receipt and despatch of His Majesty's mails. With him, men may come and men may go, but the mails go on forever. No delay is excusable that may be avoided.

A City Post Office to give good service must have system. In all such offices, outside of the office staff proper, that is to say, the Postmaster's and the Assistant's offices, there are a number of divisions or sets of employes doing distinctive work. For instance there are the stampers and sorters, whose duties are to stamp and sort all incoming and outgoing mail, the forward letter sorters who handle all the outgoing mails and sort them into direct bags or packages according to distribution, and dispatch them to the various trains, the newspaper stampers and sorters, the sorters to letter carriers' walks, the porters, the general delivery wicket clerks, the Money Order and Registration Branches: the two last named demanding much in intelligence and integrity from those connected therewith. If the proper study of mankind is man, then a visit any day to the lobby of a City Post Office will afford all the study required, for there one may see all kinds and conditions of men, more particularly, perhaps, before the money order wickets, where orders are eagerly be sought by a motley mixture of mankind, all bent upon remitting to friends in far-away homes part of their scanty savings.

The clerks in the Registration Branch have important and responsible duties. They open all registered bags received for local distribution: also all suburban registered matter passes through their hands. They have as well, to deal with all registered matter handed in for despatch. That many thefts do not occur in our city post offices speaks well for the honesty of the employes, and that more errors are not made in the sortation of mail is an evidence of care and expert handling.

A large staff must be kept constantly on hand in our largest city post offices. Montreal, for example, has a staff of about 4,000 employees. The head of a firm or business house having such a number of employes to supervise would feel that his position was a responsible one.

The work of the post office is world wide, is accomplished under all flags and frequently under the most adverse conditions. In this Canada of ours the work in the country post offices equally with the post offices of our largest cities is done with surprising fidelity and accuracy when all things are considered.

Speaking broadly it may well be said that the Post Office is more than a place for selling postage stamps and sorting letters. It is an instrument of civilization unsurp, sed and with a limitless capacity for public good. It is an institution universal in extent and conferring wide-spread benefits on humanity. It is the single institution concerning whose existence as a benefactor of the people there is no word of disapproval.

#### The Letter Carriers

There are two classes of post office employee that come nearer to the business life and to the hearts and homes of the people than any other. In their daily work the railway mail clerks and

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the letter carriers are messengers who mean much to our commercial community, and who convey to the homes of our peace-loving people those tidings of joy and sorrow which in all ages have been the inheritance of man. No more welcome face comes to the door than "Posty's", and be he the bearer of good news or ill, he never receives a trown from the recipient. His is a life of devotion to duty, which in rain or shine he conscientiously endeavours to perform. Few people take thought of the tireless continuity of the service he renders or of the thousands of letters consigned to the care of these servants of the public; tew of these letters indeed failing to reach their proper destination. If "Posty's" daily rounds in all kinds of weather are not sufficient proof of his lovalty to his calling, a visit to the sorting room of any city post office, where one may see badly or partially addressed letters deciphered with the aid of directories and magnitying glasses, would surely convince anyone of the faithfulness of this branch of the service

"He trudges along through the snow and the sleet.
With a pack that is heavy to bear,
the slush of the roadway has hampered his feet.
And the whiteness has powdered his hair;
But he stands by the gate with a smile on his face
And his whistle is cheery and gay;
Oh, people who live in a far-away place,
Thank God for the postman to-day!"

He carries a message that comes from the heart Of a boy who has gone from his home. And sometimes a letter to make the tears start. From a soul that is sad and alone. The news of a world that is far from our sight 1s stored in his magical pack;
And he mingles the sorrow with words of delight, For he carries a world on his back."

# Department of the Interior

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The history of the Department of the Interior, from its creation until the present time, is the history of the evolution of an enormous country, widely disjointed,—the East from the far West,—by vast stretches unexplored, uninhabited saye by Indian

tribes, and unreachable except by passage through an alien territory, and its development into the magnificently prosperous Dominion which to-day fronts the world, and which, with its splendid marine, both inland and ocean, its humming factories, its ever-thickening network of railways its gigantic humbering and other industries, its cattle upon a thousand hills and its seas of golden grain, is no longer overshadowed, as at one time, by the great neighbouring republic. Without the opining up and divelopment of this western heritage, it would have been utterly impossible for the Dominion of Canada to have reached the proud position which she occupies before the world to-day, is the fairest and greatest of all the Overseas Dominions, but she must have remained for an unforeseen number of years the same disconnected batch of provinces, separated by dreary stretches of unpopular dividernesses, isolated as to neighbour-ship and community of trade and social interests; her latent stores of wealth unexplored and undeveloped, and her very existence threatened with the ever-present shadow of the danger of absorption by the vaster nation lying along her southern boundary.

The forty years of this department's existence has shown such a stupendous growth in its business that the increase in, and modernization of, the machinery for its administration need no apology to the country;—he results amply constitute their own justification.

The Department of the Interior was established under the provisions of the Act 36 Victoria, chapter 4, and dated from July 1, 1873 when that Act came into force. Prior to that,



HON WILLIAM JAMES ROCHI Mississicol tro Interior

the management of the Northwest Territories and the lands and can of the Indians were under the graduate and control of the Department of the Secretary of State for the Provinces, the Geological Survey being also attached thereto, while Dominion Lands and Ordnance and Admiralty Lands were under the control of the Secretary of State for Canada.

From the first moment of its existence, the department found that the old methods of office administration which had prevailed were obsolete and meffectual, and that particularly with regard to Indian affairs and records the whole system had to be reorganized and put into methodical working order. Concurrently with nearrangement, the work of the five different branches now comprising the Department of the Interor commenced to show signs of rapid expansion. Exploratory work geological and topographical was already beginning to open up to coming settlement the bitherto vacant but tertile lands of the Red river and towards the full West. With the influx of settlers looking for homes on the rich prairie lands, the task of preparing if ose homes for them by a scientific system of sarvey, the continuous carrying on of which would provide for lutine needs, even at that early date began to assume formulable proportions.

It must flave been about the nuncties when Canada's great, busky Western daughter, who once upon a time find been content to pad, pad her easy way in beaded moreasins over her

"Ten thousand miles of winter. Where the night is never dark."

began to show signs of "growing our of her clothes," at a rate which threatened the Finance Minister's crequeshook with nervous prostration when be came to figure out how be was going to be able to provide for her mightily growing necessities.

#### "The Girl of the Golden West"

Can this most precious jewel of the crown of Canada be more appropriately christened? What would the remainder of the Dominion be without her to-day? What has created the necessity for three heredy pushed transcontinental lines except to symbolise the streaming steel-blue sheen of her double-plants four tect eight and a half in width? What is distleminists entangency of a Georgian Bay canal notwithstanding the magnificent provision already made by other Canadian routes and their charging engagements? What has developed the granting and storage capacity of our inland lake their and our terminal elevators at not the growing meessity of providing super-rapid transport facilities to dispose of the uncountable crops which this same "Girl of the Golden West" is adding so exiderantly to the wealth of the country? Even the Hudson Bay route only lately heard of under the forced draught of the necessities which she is imposing on us, has been recognised and accepted as one more channel to provide a winter granary and a shorter highway to the markets of the World for her ever-demanded wares. And where in all the great service departments of the Dominion does the guiding and controlling hand come so intimately into contact with this treasury of golden wealth

Within the restricted space allotted to the Department of the Interior in this work, it is not feasible to enter into any very fully detailed exposition of its work and growth. The special object of this article being to give in concise form, some int dligible idea of what that work is and how it is being carried out under the several branches into which the department is subdivided, it is thought that a summary of the particular work of each of such branches, and a comparison between the volume of work in the past and at the present will meet that object

### The Deputy Minister's Office

Mr. William Wallace Cory. the Deputy Minister, was born at Strathroy. Ontario, in 1865, and was but five years old when his parents—his lather a Cornishman, and his mother from Glasgow,—went out to Maintoba and settled where the thriving town of Gladstone now stands. Educated at St. John's College, he subsequently studied law with the firms of Archibald Howell Hough & Campbell, and Minison & Allan, later entering the Attorney General's Office, and serving there under Attorneys General Martin, Sifton, Cameron—ad Hugh J. Macdonald



W. W. CORY
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Mr. Cory sconnection with the Department of the Interior began in January 1901. tro being this work with the patenting of the railway lands he next arrived as uspect to or Yakon offices under the Interior and Justice Departments until appointed Asset of Concressioner of Domen on Lands, which position he hold until made Debuty Minister in convers, 1905. It will thus no seen that his previous experience and his knowledge of the depart, one as all partial furly fit him for the responsibilities of the position which he fills so ably

In Mr. J. Arthur Coré the Depuis Monster less every valuable and her days a contract and Born to 1862. Mr. Coté was educated at the University of Orraws for it Benezet Colars. Rigard P. Q. Tust studying law in entered the Cayl Service in 1882 on the decin of no other and has been connected with the department ever since being not a actaafter serving as one of the Halt-Breed Commissioners in 1899 at the time Indian Treaty No. 8 which covers what is now the famous Pence River district, was concluded. Mr. Coté has also served in the capacity of secretary to the Deputy Minister under the late A. M. Burgess, under J. A. So are order, present Deputy, and was appointed Assist in Deputy in 1908

It is a real days of the department, the Deputy Minister while exerv bisy man, it is no sign. volume or work and complex organization and machanicity as exist to-day and his staff was small rule agreet. Toolby even with the presence of in Assistant Deputy Minister to slave traoarly groving benner the Deputy Minister's office must often be hard put to a tacker protect of tre justisers a work especially during the lengths assume of Paraconera which seem to have a martin star. So that the present stall in this office is relatively ingerestimble that the numerous a owner of years ago. This may be held to goly to every branch of the department.

Trem a group of tweed Depent branches - Indians Nathwest Territories (Donardor Lands Geological Stayley and Ordinance and Admirally Lands - which formed the representate Interior Department a 1873 a cred ave tach subdivisions of the work and the creation of new brain bes necessitated by the great development in the West, till to day, in order to carry out that work to the best advantage, we find over twenty separate and distinct branches, each with its respon-

It is not intended that the sequence of arrangement of the several branches bereunder should be held as arbitrarily or even interentially to determine their relative importance. With quite distinct in their formations, the component parts, when grouped together as a wroteform the complete department, any one link of which would, so closely are these branches inter-

# Accountant's Branch

While not a full test, the revenue derived from any business is a very fair index of the sacress and prosperity or otherwise of that business,

The revenue of the department is derived from numerous and varied sources. That under Dominion Lands embraces bomestead and pre-emption and purchased homestead fees and sales. rentals of lands, survey tees, timber dues, leases of grazing and coal lands, hay permits, mining hes high man leasts aledging leas's stone-quarry leases orrigation fees water-power tentals leases of sand stone gravel and petroleum rentals from leases and permits in try several Dems amon parks sales of school lands are stalls and sales of ordnance lands repayments of seed-groun advances, registration fees, lines and forfeitures in the Northwest Territory. Revenues under the Immigration Act include Chinese immigration revenue, and a number of minor misceluncous sources. Perhaps no more foreible illustration of the importance and advance of this branch can be given than the feet that, while the total net revenue in 1872-3 was 826,239,45. that for the fiscal year ended March 31, 1913, amounted to 89,533,945 an increase of nearly three million dollars over the previous year. The gross revenue since 1872 has been over 844 000,000, nearly 830,000,000 of which has come into the departmental exchequer within the last decade. The careful and constant supervision necessitated in the accurate and expeditions handling of such sums is appearent and the audited results speak eloquently for the adminis-

The superintending accountant, Mr. Charles H. Beddoe, was born it Lingland, Taking

the Cambridge University local certificate, and after a thorough training in the banking profession with the Staffordshire Joint Stock Bank, he came to Canada, and for many years was employed with the London & Canadian Loan and Agency Company in Toronto. Entering the service in the spring of 1883, on the selection of the late Sir David Macpherson, as assistant accountant, he rose rapidly, as the increasing work and his able handling of it gave evidence of his capacities; one special task being liquidator for the Northwest Territories, when in 1905 they were formed into the two new territories.

#### Topographical Surveys Branch

Edouard Gaston Deville, the Surveyor General, is a native of France, and a retired officer of the French navy. From 1873 to 1879 he was employed by the Quebec government as a scientific explorer and inspector of surveys; later by the Dominion government as chief inspector of surveys, till called to the position of Surveyor General in 1885. A fellow of the Royal Society of Canada, author of several valuable scientific papers, including Astronomic and Geodetic Calculations and Photographic Surveying, Dr. Deville's attainments and untiring work have done a great deal to bring this branch to its present high state of

efficiency.

Under the direction of the Surveyor General of Dominion Lands, this branch may be looked upon as one of the main arteries of the department's being, as surveys must be made ahead of, or at least abreast of, incoming settlement, and this is no small task, when it is remembered that for some years settlers have been coming into our Northwest by the hundred thousand. Following what may be termed "exploratory" surveys comes the precise work of the block outlines, covering the survey of the base lines and initial meridians. Such work requires to be done with the utmost accuracy, and is entrusted to men possessing high technical qualifications and experience. Then follow the township outline surveys, and, lastly the subdivision of the townships into sections and quarter sections, under which last process the boundaries of the homesteader's land are defined on the ground, practically to an inch, and he can enter into possession and start to make a new home for himself and his family. How greatly the work of this branch has grown may be gathered from the fact that the whole area surveyed prior to June, 1873, was less than five million acres, and the number of farms of 160 acres each less than 30 000, whereas the figures for the last fiscal year show 5,155,520 acres and 32,222 farms of 160 acres each.

# Astronomical Observatory and Boundary and Geodetic Surveys

Two names stand out prominently in connection with this branch, those of W. F. King, the Chief Astronomer and International Boundary Commissioner, and Otto J. Klotz, Assistant Chief Astronomer.

Dr. King, who has an international reputation in connection with the many important boundary surveys on which he has been employed, took his surveyor's commission in 1876, and entered the departmental service in 1881, under the late Lindsay Russell, the then Surveyor General. He was a member of the International Waterways Commission from 1904-7; Director of the Dominion Astronomical Observatory from its opening in 1905; Fellow, and Honorary President since 1906, of the Royal Astronomical Society of Canada; Fellow of the Royal Society of Canada; Fellow of the American Society for the Advancement of Science; and Superintendent of the Geodetic Survey of Canada, and the author of many scientific papers.

Dr. Klotz was born at Preston. Ont., educated at the public school, Galt Grammar School, Toronto and Michigan Universities, and won scholarship at Toronto. He graduated in 1872; in private practice till 1879, and since in the government service on surveys, explorations, and since 1885 as astronomer. His exploration to Hudson bay in 1884 covered a 2,000 mile canoe trip. In 1903-4 he completed the first astronomical girdle of the world. The doctor has contributed much to scientific literature. He is in charge now of Scismology, Gravity and Terrestrial Magnetism, and has represented Canada at three International Scismological meetings in Europe. Toronto University honoured him with the degree of Doctor of Laws, and

Michigan University with the degree of Doctor of Science. Dr. Klotz is Honorary Fellow of the New Zealand Institute, and is a member of many scientific bodies in America and Europe. His high attainments have done much, in conjunction with those of his chief, to bring this branch into its present advanced state of efficiency. The doctor is also a well-known figure in connection with literary matters, and was the first to move in the direction of procuring for the capital its splendid Carnegie Library.

A very important division of the surveys is the Astronomical branch, at the Dominion Observatory, including the International Boundary and Geodetic surveys. Highly technical in its work and methods, the government selects not only the most scientific officials to be secured, but sees that they are equipped with the best and most modern instruments obtainable, so that to-day the survey in all its lines of work is in a position to successfully cope with any problem arising, domestic or international.

The responsibilities attaching to the administration of the branch are hard to accurately estimate. Not alone are the highest scientific attainments requisite for the carrying on of the various divisions of the work, but, when dealing with such matters as international boundary surveys, made under the provisions of international treaties, and often jointly with the representatives of the foreign government, the possession of much good judgment is an absolute necessity. It speaks volumes for the chief of the division and for his ably seconding staff that it can be said that such work has been carried out with the utmost cordiality on both sides and with never a sign of friction.

Among the interesting attachments to this branch are the seismograph, which last year recorded nearly one fundred earthquake shocks, and the electric clocks, from which over three hundred dials in the government offices are electrically operated from the Dominion Observatory.

### Geographer's Branch

Of the making of maps, it might be said with regard to this branch, there is apparently no end, from the large eight-sheet railway map of the whole Dominion, measuring eight feet in length, to the standard topographical maps on a uniform scale, on which the department has been at work some years, and which, if ever the series is fully completed, will cover the whole country from the Atlantic to the Pacific. Outside of the mapping work, the branch has on its list of publications a long schedule of pamphlets in statistical form, and both classes of work, distributed in most cases free to the public are of great informatory convenience. The branch is under the expert administration of Mr. J. E. Chalifour, the Chief Geographer, who has been in the service since January, 1894. Attached to the branch is the secretaryship of the Geographic Board of Canada, which office is held by Mr. A. H. Whitcher, D.L.S., who, since he joined the staff in 1872, spent many years in the service as agent of Dominion Lands at Winnipeg, As is well known, the work of the Geographer's branch entails long and patient archaeological research, and, in view of the meonvenient confusion that is inseparable from nomenclature duplication in a new country, is fulfilling a very valuable office.

# Survey Records Branch

This branch, as its name indicates, has the custody of the original records of Dominion land surveys. As each township is surveyed, the surveyor's book of field notes is sent to the department, and the township plan is made therefrom. As soon as the plan is approved by the Surveyor General, it is sent, along with the field notes, to the Survey Records branch for sate keeping. As the total area covered by Dominion surveys has reached over 160,000,000 acres, a rough calculation will show that the field books of original surveys number over seven thousand, and when all the books of numerous resurveys are also taken into account, the total will be nearer ten thousand. Constant reference, particularly by the Topographical Surveys branch has to be made to the field books, accessitating their being charged out to each branch where they may be in temporary use, and being carefully kept track of until returned to the Records branch. This, it will be seen, involves very considerable responsibility.



F. G. ROTHWELL Law Officer Department of the Interior



N. O. Corr, Controler Dominion I was Patrices Department of the Interior



Offic J. Klorz Assistant Chief Astronomer Department of the Int. rior



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The work of the branch also includes the distribution to the various agents of Dominion lands, of the plans of the newly surveyed townships, on which, when filed in the agent's office, entries are granted; and to filling the many applications received daily from the public for copies of plans, the general stock of plans being kept in the branch, as well as original plan of record.

The branch is in charge of Mr. C. J. Steers, who has been connected with the department for over forty years.

# Dominion Lands Branch

Having reached the point at which the land is ready for the homesteader, it would seem in place to take up the work of the branch that has supervision of him until he has carned his patent, and sees that he duly complies with the conditions of the Dominion Lands Act. In the initial stage of the work, there was but the one land office situated at Winnipeg. Owing to the difficulti of transportation in those early days, and the long distances that had to be covered in going to Winnipeg to make a homestead entry, it became necessary to extend greater facilities to the settlers by opening up new land offices from time to time. Though theoretically the whole of the Northwest was gradually embraced within the different land districts their bounda is covered such vast areas that they were constantly being subdivided into new and smaller agencies, and these again into sub-agencies. To-day there are twenty-four agencies covering Manitoba, Saskatchewan, Alberta, Yukon Territory, and the Railway Belt in British Columbia. In addition to the agents and their staffs, there is a large staff of homestead inspectors, who are constantly employed in taking applications for patent on the ground, thus saving to the homesteader the time and expense of going to the land office.

Up to the nineties, the direct machinery for the administration of the Dominion Lands Act was located at Winnipeg under the Dominion Lands Board. With more rapid means of communication between the seat of government and the West, it was found that the work could be more expeditiously handled by centralizing the control at Ottawa. The board, therefore, went out of existence, and the Commissioner of Dominion Lands and his staff were transferred to Ottawa. To Ottawa, therefore, all applications for patent are forwarded direct by the agents, During the fiscal year ended March 31, 1913, the applications examined numbered over

In addition to the above work, the Commissioner's branch has the intricate and often difficult duty of dealing with and deciding ( a numberless cancellation proceedings, and not infrequently investigations under the Act by special commission,

The present Commissioner of Dominion Lands, Mr. J. W. Greenway, bears an historic name, being a son of the late Honourable Thomas Greenway, for so many years premier of Manitoba. Mr. Greenway came into the department in 1898, and was appointed commissioner in 1904. His wide, intimate, and practical knowledge of western farming matters is an invaluable asset in connection with his work; while his quiet, unassuming methods of directing the operations of the branch have made him a very acceptable chief.

# Lands Patents Branch

The chief of this important branch, Mr. N. Omer Coté, is a native of Quebec, a son of the late J. O. Coté, Clerk of His Majesty's Privy Council for Canada. Educated at the University of Ottawa, Mr. Coté entered the Civil Service, in the Interior Department, in 1879; was made a chief clerk and appointed to his present position in 1904; has been a member of several Royal Commissions for the settlement of land claims, etc., in those parts of the Northwest Territories now comprising the previnces of Saskatchewan and Alberta. For some years he was a captain in the Governor General's Foot Guards, and is the author of a valuable work of reference, "Political Appointments, Parliaments and Judicial Bench in the Dominion of Canada." His long experience in the department and his intimate knowledge of the West make him a very valuable

The Land Patents branch, which records and safeguards the documentary evidence on

which the homesteader's tenure is based, is thus most intimately associated with him all through his official connection with the department. From the moment when he makes his entry at the land office, he becomes a ward of that branch. During the, at least, three, often six or even ten years in which he may be engaged in perfecting title to his home, he is assured of sympathetic care, help, advice and forbearance,—the law has to be administered, but both Dominion Lands and Patents branches have ever striven to do so in a manner to bear as lightly as possible on all bona fide and deserving cases. And by virtue of this sympathetic and patient administration, a continuous stream of units is added to the gigantic permanent assets of the Dominion.

One of the most important functions of the Land Patents branch is the issuing of letters-patent under the Great Scal. Up to the year 1883, it had been the practice to transcribe in manuscript all letters-patent in record registers kept in the Department of the Secretary of State. To-day, with the thousands of patents being issued, that would be a physical impossibility except by an army of engrossers. The solution of the means of coping with the growing work was evolved by the Interior Department which in 1883 instituted a system of a printed form of letters-patent. The patents issued and recorded in the Department of the Secretary of State numbered 4.341 in 1883, while the number issued and recorded in the Department of the Interior in 1912-3 amounted to 24,965. The total number of letters-patent recorded in the branch exceeds 260,000.

While no money is actually handled by this branch, the revenue to the credit of the crown on account of purchased homesteads, pre-emptions, and ordinary sales and repayments of seed-grain advances, exceeded one million eight hundred thousand dollars during the last fiscal year, and in connection with this revenue the branch has to keep about fifty thousand separate accounts.

#### Timber and Grazing Lands Branch

This branch is under the supervision of Mr. B. L. York, who, bringing practical business methods and foresight to bear on its administration, has met, without undue fuss, and successfully dealt with the many problems arising from time to time. Mr. York is a Carleton county boy, having been born at Spring Hill in the township of Osgoode, receiving his education at the Spring Hill public school, Ottawa Collegiate Institute and the Ottawa National Business College. He first entered the service in 1005, and was placed in charge of the branch in 1911.

Formerly there was included under this branch the administration of the Mines, until the tremendous expansion in the department's business necessitated the separation of the work, and the min's will be dealt with under an independent heading.

While there are stretches of country where large areas of very valuable timber is found, it is but natural to expect that the bulk of the prairie lands would be either without timber altogether, or at least but very sparsely timbered. In the early history of the western provinces there can be little doubt that forest fires and criminally wasteful destruction by the woodman's axe combined, imposed a loss on that part of the Dominion of a great many millions of dollars that will never be recovered. With the valuable aid being rendered by the Forestry branch, of which more will be said later, and through the educational work of the Commission of Conservation (while the results of our past folly can never be entirly rectified, and it must be many years before returns from later and improved methods are apparent and available), the lesson of the past, if properly taken to heart, as is being done in fact, will not have been in vain.

In the earlier days of the Northwest, with a very sparse settlement, timber was to some extent a drug on the market; the Indian having no use for it except for firewood, and the white settler for the most part being content to build his home of logs. With the westward trend of settlement, however, and later with the initiation of the first great railway across the prairies, an enormous demand sprang up. Timber limits were a valuable asset. Saw-mills were erected at many points, and the demand even for sawn lumber for the numerous incoming settlers absorbed many millions of feet each year. Vast quantities of timber for railway ties and bridge construction were required with great expedition, and it may be well imagined that the contractors for these works would be much more interested in filling their contracts in a hurry than

in carefully selecting and cutting over the limits and cleaning up the debris. This method, wasteful in itself, added the further danger of fire from the fallen and unused trees and refuse left in the forest.

From time to time, the branch used its best endeavours to re-construct and improve the regulations with a view, while making ample provision for the country's growing need, to stopping or minimizing as far as possible, the wasterul methods of the past. To-day the administrative mathods observed by the branch tend to care for the undisposed of tumber until required for commercial purposes and trivial per kept steadily in view is to prevent as far as possible the holding of limits for specularity purposes, particularly in districts where the timber is badly needed by sattle, so Therever a from this particle of the work, which in 1872-3 was \$109.25, in 1912-13 had risen to \$443.738.75, the accounts for which are all handled by this branch.

The days when vast herds of cattle roamed the unfenced plains of the western portions of the Northwest Territories have, as was to be foreseen, gone by, the rush of settlement gradually crowding out the cattlement to make way for the husbandman. There are still a large number of ranches, the leases of which have not yet expired, but the days of the two hundred thousand acre ranche and its periodic and picturesque round-ups will not be seen again. However, small holdings for ranching purposes are still in demand, and the pressing necessity of the population for more beef must meyitabley lead to a renewal on an extended basis of the ranching industry.

#### Mining Lands and Yukon Branch

As has been stated, this branch, as to the Mines, was at one time incorporated with the Timber and Grazing work of the department, but the opening up of the Yukon Territory, of which the chief of the branch is secretary, and the natural growth of the rest of the work of this section rendered a division of the duties imperative,

Wherever Dominion lands are situated, the business of this branch will be found in active operation even including the Arctic. It is comprised under a large number of beadings, the principal of which are, of course the disposal of coal lands; gold-mining under the quartz, placer by draulic, and dredging lease regulations; water powers in the Yukon; tar-sands, and, stone and gravel, and p-troleum lands, the last-named industry giving promise of great development in the near future.

The opening up of the Yukon Territory, with which the names of Dawson and Ogilvie will ever be remembered, gave an enormous impetus to the work of the branch, and though the first rush to the rich placer claims has abated, new discoveries are still being made, though the great bulk of the mining in that region is now carried on by big syndicates, with the aid of powerful hydraulic plants.

The total gold production accounted for in the reports of this branch since 1897 is in excess of one hundred million dollars, and each year is showing a steady increase. This is likely to be the ease for many years to come, while the increasingly rapid demand all over the West for coal for domestic and manufacturing purposes, and the development of the petroleum lands will certainly add to the administrative work of this important branch.

The branch is in charge of Mr. H. H. Rowatt, who has been connected with the department since 1887, has travelled extensively all over his domain, and is thoroughly posted in all the details of his work.

#### Registration Branch

Mr. J. M. Roberts, who is in charge, hails from Western Ontario, and has been connected with the department since 1900. His careful, methodical system has done much to improve the machinery, and, it should be mentioned, the provincial government of British Columbia availed itself of his temporary services in inaugurating a system similar to that in vogue at Ottawa.





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With all the various branches carrying on correspondence with their ouside officials and the public, it can well be imagined that the files of the department are growing at a rate that can fairly be described as appalling. Terribly handicapped as the department has been during some years past through the effect of the unforescen rapidity of its enormous expansion and the impossibility of housing its necessarily increasing staff under one tool every feasible expedient has been resorted to for the purpose of expeditiously and methodically handling the papers. In several of the branches it has been found more convenient that its papers should be kept under its immediate and separate control.

The magnitude of the task of handling the incoming mail can better be realized if it is stated that the total number of letters received in the department during the year 1874, namely 3, 482, has been exceeded in recent years by one day's receipts. The number of letters received during the year 1912-13 reached the coormous total of 1,292,188, of which nearly 23,000 were registered. The amount received through the mails, in the shape of cheques, drafts, money orders express orders and cash, reached a total for the year 1912-13 of nearly \$2,500,000.

The individual files number about one million, as many as from five to ten thousand never less than three thousand files being with the different branches from day to day.

# Correspondence-comparing and Mailing Office

This branch of the department is intimately connected with all the correspondence branches, as it is through this channel that the outgoing letters are started on their correct. Following the general expansion of the department's work, the Correspondence comparing and Mailing office, of necessity, participated in that expansion; and the following details when compared with the 4.120 letters sent out from the department in 1874 will give some idea of the labour and responsibility devolving upon the branch.

In the fiscal year ended March 31, 1913, the outgoing letters numbered 419.787, of which 29.789 were registered, while 3.209 telegrams were also despatched. It took 159 letterbooks of 1.000 pages each to hold the year's output, and 153.904 pages of letter-books were indexed. The daily average for the year was 1.402, and 1.500 documents were compared.

This branch is ably administered by Mr. C. Caron Pelletier, who has usel a long connection with the department, having entered the service in 1885.

# Ordnance and Admiralty Lands Branch

This is actually the oldest branch of the department. By the "Ordnance Lands Transfer Act" of 1856, properties comprising about 400,000 acres of land scattered in numerous parcels over the two provinces of Canada, included in which was the site of the present Dominion Parliament buildings, were handed over to Canada by the Imperial government. From time to time the portions not actually required for military purposes have been gradually disposed of, by lease, or by public auction or by sale to the squatting occupant, many of whom had been means possession for years. The volume of the business transacted by the branch has naturally decreased since those early days, but Ordnance properties at twenty-five different points still remain to be looked after and the books show over two hundred open accounts.

In addition to the work in connection with the Ordnance lands, the branch is charged with the duty of preparing copies of all Orders-an-Council passed on the initiation of the Minister of the Interior, for publication in the Canada Gazette, and bratish Columbia Gazette, and for departmental record. During the year 1912-13 over six hundred such orders were passed.

Another important duty developing on the branch is the keeping of the record of attendance of the officials of the various branches covering some eight hundred in number, and being the basis on which the monthly pay-lists are prepared.

Mr. Joseph P. Dunne, who is in charge, is a very careful and painstaking officer, and is also one of the old officials, having joined the staff in 1885.

### School Lands Branch

Under the Dominion Lands Act there are set apart in every surveyed township in Manitoba. Saskatchewan and Alberta two whole sections, namely, numbers eleven and twenty-nine as an endownent for educational purposes for those provinces. These, under the statute, can only be disposed of by public auction at an upset price. These lands, being held in trust for the provinces, the provincial governments are consulted as to the times at which such general sales shall be held. A date baying been set, list, of available lands which it is considered advisable. to offer, are prepared in the branch and placed in the hands of the inspectors and valuators. Each parcel is carefully inspected, and a valuation made of it, on which to base the upset price, This baying been completed, different points, as conveniently central as possible to the lands to be offered, are selected, and the parcels divided up accordingly. Lists of all the lands are then printed, no small task when laindreds of quarter-sections are embraced; and the sales are advertised throughout the Dominion. The proceeds of these sales are placed in trust for the benefit of the provinces as to the principal moneys, while the interest accruing on the unpaid balances is periodically paid over to the provincial governments. In addition to the revenue from sales, a substantial amount is derived annually from grazing, timber dues and hay permits, and coal and gravel rentals, so that the lands are not entirely idle.

What a magnificent endowment for education these lands form may be gathered from the fact that up to the present time only something over one million eight hundred, thousand acres have been disposed of in the three provinces, the principal moneys derived therefrom amounting to over twenty-one million dollars. Of this large amount, the unpaid balances are interest-bearing; but there stand to the credit of the several provinces the following amounts in round figures of the principal moneys paid in: Manitoba, 83,500,000; Saskatchewan, 82,500,000; Alberta, 82,000,000.

As might be expected, these school lands, particularly in the thickly settled districts, show a rapid appreciation in value.

When it is calculated that the area so far disposed of represents over eleven thousand quarter-sections, some idea may be gathered of the number of accounts that the branch has to handle, and, it should be added, the cost of management is hardly appreciable.

The branch has been for a number of years under charge of Mr. Frank S. Checkley, the controller, who entered the service in 1873, and it is due to his able management that its administration has been so eminently satisfactory.

# Immigration Branch

Mr. William Duncan Scott, the Superintendent of Immigration, was born of Scottish parents at Dundas. Ontario, and was appointed superintendent in January, 1903, and later was appointed chief controller of Chinese Immigration, when that branch of the work was transferred to the Department of the Interior from the Department of Twide and Commerce. Prior to Mr. Scott's connection with the Immigration branch, he was for four years connected with the Department of Agriculture Exhibition branch, and represented Canadian interests at several of the large exhibitions in the British Isles. Before entering the service of the Federal government he represented the Manitoba government in Ontario, and prior to that was in the employ of the Canadian Pacific Railway land department at Winnipeg; so that his experience has been both varied and extensive.

The most vital need of a new and sparsely settled country like the western provinces is population. The eastern portion of the Dominion can ill afford to spare any of its people to help to fill up the sister provinces. Settlers had to be got, but the question of how to attract them to the fertile plains of the Northwest remained for many years an only partially solved question. True, immigrants came in, year by year, but in such small numbers that they were almost lost in the vast stetches of the vacant lands. Even with the completion of the Canadian Pacific railway, which greatly simplified the transportation question, the settlers were few and far between, and life on the prairies for many years was a very lonesome and neighbourless one. Up

to about the year 1900, the incoming settlers had, for the most part, reached us from Great Britain and Ireland and the European continent, a very few thousand finding their way into the West from the United States. A very active advertising propaganda had, however, been started, particularly in the neighbouring country, with a view to making the attractions and advantages of the unlimited areas of the Canadain West more fully known. Both on the other side of the Atlantic and in the United States agents were appointed to carry on this work, and no up-to-date business methods of placing the value of Canada as a home for settlers were neglected. The results of this were soon to become apparent. The total immigration from all sources, which in 1897 was but 21,716, at the end of the fiscal year 1912-13 had reached over 400 000, about 140,000 of which came from the United States, but a till larger number from the British Isles. To care for this army of human beings seeking new Lomes on their arrival in Canada, to get them safely to their far destinations in the West, to describing them amongst the older settlers needing agricultural help or place them on homestead of their own. is a work of great magnitude as well as responsibility.

The Medical Inspection service of the branch is under the supervision of the chief medical officer, Dr. P. H. Bryce, a well-known expert on matters of public health. At the port of debarkation every incoming immigrant is subjected to rigid medical inspection before being allowed to proceed on the westward journey, and, unless passed, may be detained for a period or wholly rejected, in the latter ease being deported.

The superintendent is also the chief controller of Chinese Immigration, whose duties involve considerable trouble and require good judgment. A staff of expert inspectors is deployed along the international boundary and on the incoming trains from across the line, and their duties are often not without considerable danger, and even loss of life. The outstanding feature of the fide of emigration towards Canada to-day, greatly owing to the keen and watchful interest excercised by the superintendent, is the yearly improving class of settler who is making a new home with us. A very interesting portion of the work of the branch is that of juvenile immigration, under the efficient superintendence of Mr. G. Bogue Smart, there being a number of Receiving Homes in different parts of the Dominion, and all such children being periodically inspected to see that they are properly cared for, both at the Homes and at the situations which may be found for them. These children, great numbers of whom grow up to do exceedingly well in life, are eagerly sought after; the demand far exceeding the supply.

# Forestry Branch

One of the mest important branches of the Department of the Interior is assuredly that of Forestry. Particularly in a prairie country, timber is an absolute necessity, not only for the settler's needs and for railway and other commercial purposes generally, but is of the utmost moment in regulating the flow of the rivers and streams. It is a well-known fact that where the banks of streams, especially at the beadwaters, have been denuded of their forest covering. the flow of water has been greatly lessened and has even disappeared altogether. For many years past the matter had been considered and various recommendations made to cope with the question of how best to reduce to a minimum the shocking waste, through fire and rumous cutting. that had been going on for so long, and which had resulted in the destruction of many thousands of millions of feet of timber which to-day is badly needed. Practically of late years only. however, has a properly organized work been carried on, under the administration of the Forestry branch. Unfortunately it is not possible to give in the detail that the subject deserves the many divisions of the work now being so admirably carried out.

Forest nursery stations have been established at various points, at which the young trees are grown and, when ready for transplanting, distributed to settlers. Many millions of such trees have been so distributed, and the farmer of to-day is beginning to appreciate the assistance thus rendered him by the department. Everywhere through what was at one time and only a few years ago treeless prairie may now be seen splendid groves of re-pectable-sized (unber,

The larger and more important feature, however, of the work of the branch has been the



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establishment of a number of forest reserves, and the elaborate system of forest ranging and patrolling carried on with a view to the protection of the growing tumber. Trails telephone lines bree-guards and then cessary buildings for the small army of inspectors and fire-guardians have been provided, and each year—as settlement and exploration extend faither out, these must be added to. Undoubtedly much has been done by the branch to reduce the danger of destruction of the growing tumber, and with the corps, gradually being formed, of practical scientific foresters, the y due to the country of their work must become very great. Statistical information regarding the wood products of the country and their various uses is gathered by a technical forester, and a laboratory for investigating the various species and processes of manufacture is also being inaugurated.

Mr. R. H. Campbell is the controller of this very important branch. Coming into the department in 1887, Mr. Campbell, who has always taken a great interest in the open air lite of the woods and torests, and has been long and actively associated with the Forestry Association, gradually diverged from the ordinary routine of the general work of the department through his castul and industrious study of his subject, till he is to-day in full charge of one of the most important branches of governmental work in the Dominion.

# Irrigation and Stream Measurements Branch

The requirements of the provinces of Saskatchewan and Alberta for water, not only for irrigation purposes, but for domestic and manufacturing uses, leave expanded so rapidly that it was found meessary to make a separate branch of this part of the work, which was formerly controlled by the Forestry branch. For many years it was the custom to speak with bated breath of the grid or semi-sand tact in the southerly portion of the two provinces, but with the technical knowledge and statistics at the disposal of, and being acquired each season through, this branch, the reproach has practically disappeared.

The initial surveys first undertaken some years ago by the department established the levels that formed the nuclei of the irrigation works of the present day. A large number of schemes, some of them very costly and extensive, are in progress all under the administrative supervision of the Irrigation branch; the field work being carried on from the chief engineer's office in Calgary. A staff of inspectors is employed over irrigation works, to see that these works are carried out according to approved plans, and that licensed water is used for its proper purpose. The growing needs of the larger cities in these provinces in the matter of water-supply render the functions of this branch of the Department of the Interior of anxious importance, and an elaborate system of surveys and stream measurements is being carried on, looking to the needs of the future. These stream measurements is cords are a very valuable aid to those engaged in the matter of irrigation or the use of water for demestic and industrial purposes, and their value will be enhanced by the averages that will be obtained from the observations spread over a number of years on the same stream.

Without the assistance being rendered by this branch, it had been forecasted by many business minds interested in the great West, that the vital necessity of a sufficient water-supply might be the rock on which its development was going to split. It does not seem too much to hope however, that the Irrigation branch has found and is applying with care and judgment the divining rod to make the water flow from the rock.

The work is very ably administered by Mr. E. F. Drake, the superintendent, at Ottawa, and by Mr. F. H. Peters, C.E., of Calgary, in charge of the field force

# Dominion Parks Branch

Starting out with the Rocky Mountain Park at Banff some twenty-five years ago, still the most important of these national health and pleasure resorts, there are now seven different park reserves, located at the following points, all in the extreme western portion of the province of Alberta, or just within the railway belt in British Columbia. Rocky Mountains at Banff, Volto Cilacier, Jasper, Waterton Lake, Buffalo and Elk Island parks. For many years under

the administration of the Forestry branch, the growing possibilities of these beautiful breathing spots as a most valuable national asset, seeined to make it desirable to provide some distinctive parks administration, and they were accordingly detached from the Forestry branch and placed under the charge of a commissioner of Dominion pails. Mr. J. B. Harkin, a genial and companionable official with a newspaper experience to his credit, and the strengous griedling that one gets as the private sceretary of a basis Western minister. While the miniculate control of all the parks is in the head office at Ottawe cach park has its own separate originization under a local superintendent, these officials being in turn under the supervision of a chief superintendent, whose headsquarters are located at Edmonton, from which point all the parks can most conveniently be reached.

Bantt and its hot sulphur springs in the Rocky Mountain, park have attented a worldwide reputation. In its natural state when years agovere, had to cross the Bow river on a polely constructed rait of logs field together with reper and descend through a small bole in the mountain side into an underground cave to view the wonderful pool where the switching both is to-day located the park presented a magnificent panorama of mountain seemery. How to develop its possibilities as a health and pleasure resort without conting any teature of its many natural beauties was a delicate task, but one which the branch, as accentilished with acknowledged success, until to-day the rown of Bandt itself is in the engoyment of every convenience, and confort that modern civilization can desire for its residents and for the luxumous according dution of its yearly increasing stream of tourist travel drawn from almost every country in the world The policy of the branch has been one of development from year to year, not so much with a view to a direct revenue return, as to utilizing to the utmost for the berefit of the peopleths wonderful health resort. The energies of the Franch are Fent towards vioyading additional works for the requirements of the resounts and visiting terrists and for the beautifying of the packs, and the same policy will no doubt be followed with regard to the later established reserves. Any review of the work of this branch would not appear complete without nontien of the buffalo. one herd being located at B bit and the larger one, the famous Pal lo berd from Montana, at Buffalo park situated at Wainweight, in Alberta. These once negatible of the plants are thriving excellently and increasing with great rapidity.

As a national asset, the parks must be considered as an exceedingly valuable and growing contribution even from a direct commercial return point of view the visitors at the Bandt park alone numbering last year over 75 000. In addition to these Western parks, the France also administers the St. Lawrence I Unid parks, composed of a dozen islands lying in the St. Lawrence river in the vicinity of Brockville and Gauanoque. As restful spots for pleasure-scekers during the hot summer months, these small islands parks, which have Leen improved and Feautified, have, judging by the yearly increasing number of visitors. Feen very greatly appreciated

# Water Power and Hydrographic Surveys Branch

This branch is one of the more recently established by the department. With a demand springing up all over the West for cheap power for manufacturing and municipal use electricity is rapidly taking the place of coal, the price of which is usercasing rather than the reverse. To develop such electrical energy, the administration of the valuable water poverts situated all over the western provinces had become such an important matter that it was council advisable to deal with it under the direction of a separate branch of the department. The conservation and development of these powers are the chief aim of the branch and to this end attributes we surveys and investigations of the water resources of the western provinces are being made, the results of which will be of great value in come, tion with the development of water power on such large rivers as the Bow, and the Winnipeg, and the storage of water for several large reclamation schemes now under way. This work is necessarily carried on by a technical staff of qualified engineers, and its importance and the benefits which will accrue in the future will be of great value to the West.

Reports of the important field investigations of the branch are regularly issued in the annual reports of the department, and also in the form of water resources papers. Whele these reports are largely technical, they are exceedingly valuable to those interested in the man riad and

industrial advancement of Western Canada. The supremtendent of the work is J. B. Challie , t. E., a graduate in a seeing of Toronto University and a member of the Canadian Society of Civil Enga

# Railway and Swamp Lands Branch

The branch is specially charged with the administration of the tailway land grant subsidies the object of its administration being to finally close out as empely as possible all these old grants to adord matters where exchanges are required grant to open small panels of land for long stretches of right-of-sway, and for lands acquired other direct from the department of from the settler lansely for town-site purposes. The swamp lands at one tanget step dark the Province of Maintobia having as to the and sposed-of panels be necessary information as to what final disposition shall be made of them.

Mr. I. C. C. Lynch, the superintendent though a voining man, has practically grown up with the branch since its inception. Belonging to one of Ottawa, object analysis modestly requiring patient and constant attention to details and a thoroughly effect ye system.

### Law Clerk's Office

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It can well be understood that in a very large department like the Interior there must arise daily many points where legal questions are involved. As a matter of the every materially important section of the department is taken under the provisions of i statute direct of or regulations trained under such statute. Every transact or deed submarted to the department amounting to buildeds in the course of a year, is subject to the approval of the law clerk. In addition, references are daily made to the law clerk from almost every branch of the department, on matters which while not perhaps involving any direct legal question inevertheless tenune the advice and opinion of a trained legal mind, experienced in the work of the department, to arrive at a deer ion as to the proper act on to be taken.

Submissions from the various branches to the deputy mension and ilrough him to the minister himself are also in many cases placed before the law clerk for his yiews.

The char law clerk. Thomas Gainstord Rothwell, it an Ottawa box, and a well-known figure in the service. Studying law noder the late Alexander Gabb, and holding the position of deputy registrar. Mr. Rothwell practised on his own account until be entered the government service in 1883. As early as 1867 be joined the Ottawa Gairison Artiflity. He holds the Feman Raid modal of 1870. He joined the Governor General's 1 of Gairison 1902 of which regiment he has been paymaster since 1907, and now holds the rank of major. In his official work, wherever he is satisfied that his view is right and just, M. Rothwell is uncompromising as the Rock of Gibraltar. In his private and social life he is known to be a very staunch friend and a most charming companion.

# Stationery Branch

It will not be surprising to learn that with the tremendous argount or war a one by the department and the necessary size of the staff there would be a syllarge output the shape of stationery, account books, registers typewriters, and supplies of all kinds, both at Ottawa and for the Western outside offices. Every item from a box of pen-inls to a complete set of office forniture is covered by careful requisition through the Stationery Bure of or Public Works Department. This itself, with its complete necessary system of book-keeping and stock-taking, means much accurate work, but eventually results in an appreciable economy. Mr. D. F. Blyth, the chief in charge of the branch, came to the department some years ago with a thorough business training.

#### Secretary's Branch

It might be assumed that the secretary of the department would be the official charged with the signing of the outgoing correspondence. When the number of such letters was within reasonable compass of a day's work this was done. The increase in the work, however, necessitated the appointment several years ago of an assistant secretary, a position now held by Mr. Frank Nelson, a graduate of Queen's University, and a good fellow. Even then, with the other general duties pertaining to the branch, when the daily output reached a thousand or more letters, the mere physical labour o' signing became an ineffectively carried burden. To-day when the average daily number exceeds that by several hundred, it is apparent that a rearrangement of the matter had become imperative. To this end the signing of the letters going out from some of the branches is now being done by the chiefs, thus relieving the secretary and assistant secretary to an appreciable extent.

The extensive newspaper advertising of the department, and the work of editing, proof-reading, and getting out the departmental annual report also devolve on the secretary. As the work of the department spreads and increases, the size of the annual report, it might be expected, would follow suit, for no chief of a branch is inclined to hide his light under a bushel; so that whereas the departmental report for the year 1874 barely covered 250 pages, that for the year 1912-13 when it reaches Parliament will be two bulky volumes comprising some 1,200 pages and 275 plates and maps. The secretary has to have a general and quite intimate knowledge of the work of every branch of the department, as well as of the Parliamentary work in weigh it may be interested.

Mr. Lyndwode Pereira, the secretary of the department, who was born in England, was clucated as a boy at New College, Oxford, and the famous Grammar School at Durham, returning later to Oxford to enter the University. Coming out to Canada early in 1872 after a brief term with the firm of John Lovell & Sons, the Montreal publishers, he joined the staff of the Montreal Gazette as night editor. In this post he remained until appointed on January 1, 1883, as private scretary to the late Sir David Macpherson, Minister of the Interior, Mr. Pereira also served in a similar capacity to other Ministers of the Interior, namely, the late Honourable Thomas White, the late Sir John A. Macdonald, and the Honourable Edgar Dowdney, and having accompanied his ministers on several occasions to the Northwest and British Columbia, is possessed of valuable first-hand knowledge of those portions of the Dominion. In 1889 he was made assistant secretary of the department, and was appointed to the secretary-ship on December 1, 1912. He is not unknown in literary and artistic matters, and is also an amateur figure-skating medallist.

No review of the Listory, work and personnel of the Department of the Interior would be complete without a very warm reference to the house carpenter, John Mason.

A son of "glorious Devon" John's first connection with Ottawa dates back to the day when, in 1859, he was commandeered from Quebec to work on the Parliament Buildings, since when he has enjoyed with incoming and outgoing governments, ministers and deputies, not only respect but a most warm and hearty appreciation of his qualities and abilities. While his sixty-two years' residence in Canada, he having come out to this country in 1852, have anchored him solidly to the Dominion, where he has become a household word in the prize poultry lists, he still remains one of those little bits of old England which do more than anything to cement the Overseas Dominions to the Motherland.

# Department of Mines

The work of the Department of Mines is divided between two main branches known as the Geological Survey and the Mines Branch. The former of these is the parent body tracing, as it does, its very earliest inception as far back as the year 1832. The department has

three distinct but closely co-related organizations. The Deputy Minister, Reginald W. Brock, is the permanent head, having immediately associated with him the accountants, translators and

editors. The two great sub-divisions are as mentioned above; there being a director at the head of each. The services rendered to the people of Canada by these branches will, in some measure, be discovered on a perusal of the following paragraphs.

### The Geological Survey

Canada, engaged in the herculean task of building her house and putting it in order, has received great assistance in all her structural enterprises from the Geological Survey branch of the Mines department. Nor should we as a people seriously upbraid ourselves at this time in that we have utilized more particularly the material benefits to be obtained from this department. As a people just emerging from the torests of a new country, it is but natural that special importance should be laid upon the value of all that is in the soil and under it, rather than upon the mysteries of its origin. The time for leisure and culture will come when the wonderful scientific discoveries being made by this branch of the government service will be fully appreciated. By examining the utensils and hieroglyphics of the early Indian tribes, archaeology and ethnology will trace their relationship to other divisions of the human race sundered by thousands of miles of land and water. Palaeontology will teach us the origin of our animal and plant life. Geology will disclose, to its special students, the age to which this portion of the world's formation belongs.

The necessity of establishing a geological survey in Canada was first brought to the attention of the government of Upper Canada in 1832 by Dr. John Rac. This request with others in succeeding years was not seriously considered until 1841, when at the instance of Lord Sydenham the subject was introduced in the first Parliament of the United Provinces of Upper and Lower Canada, and £1,500 sterling was voted for the purposes of a survey. In 1842 Mr. W. E. Logan, director, and Mr. A. Murray, assistant, were appointed geologists to carry the survey into operation, and investigations were commenced in 1843. Since then the work has been carried on uninterruptedly and has increased in importance and usefulness until it has assumed its present proportions as one of the most important scientific branches of the government service.

Canada was one of the first countries in the world to recognize that geological work was of sufficient importance to receive the support of the government, and, if we glance at the work that has been achieved by the officers of the survey, it will be readily seen that the public interest has been well served by the establishment of such a survey.

The primary motive for establishing the Geological Survey was the desire of the government to have certain questions relating to the mineral deposits of the country investigated by properly qualified persons. This object, with the assistance that would be given to the mining industry as a result of such investigations, has been clearly kept in view throughout the whole dian geology.

Much exploration work has also been carried on and our knowledge of most of the more remote and inaccessible parts of the Dominion, and our geographical maps of by far the greater part of Canada, are due almost entirely to the work of the geologists of the Survey staff.

The early work of the Survey was confined to the provinces of Ontario and Quebec and while of a scientific nature was also of direct economic importance. After Confederation, operations were extended into the Maritime provinces and the investigations of the geologists in that region have been exceedingly helpful in assisting the development of the coal fields and gold deposits of Nova Scotia.

The admission of Manitoba, British Columbia and the Northwest Territories into Confederation opened up a broad field for exploration and investigation, and the geologist has acted as the pioneer of the settlers who are now taking possession of those regions. As a result of a structural study of the Prairie provinces, the distribution of coal seams at no great depth below the surface has been demonstrated over a very wide area and new coal fields were discovered in this and other parts of the West by members of the Survey staff. In British Columbia, where in recent years the major part of the Survey work has been done, officers of the staff have not only been instrumental in assisting in the discovery of new mining fields, but, in the develop-



A FEW OF THE "OLD GUARD," NOW RETIRED

ment of those fields, have by a study of the geology and genesis of the ore deposits aided the miner to lay out his work so as to economize both time and money.

One of the most important branches of the Survey's work in the interests of the country has been in the exploration field. The exploration of a great part of the Dominion and delineation of their natural features on the map of Canada are very largely the work of the officers of the Survey staff, and the maps and reports issued by the Survey still furnish the most reliable information on the resources of the more remote regions. Not only did the geologists in the early history of the Survey, map, and in many cases explore, what are now the settled portions of Canada, namely the Maritime provinces, the southern parts of Quebec, Ontario and the Western provinces, but in more recent times the explorations of the officers of the Survey staff have carried them through a great part of the more remote and inaccessible regions of Canada, namely, across the Labrador peninsula, along the shores of Hudson bay and the streams flowing into it, through the Barren lands, down the Mackenzie river and along many of its tributaries, into Yukon Territory, along the main routes of British Columbia, and into the islands of the Arctic. This exploratory work has been useful not only in outlining geological formations that are most likely to carry mineral deposits of value, and in making known the natural wealth of Canada. but has proved of service to engineers, settlers and all other pioneers in the development of the country

Within recent years the efforts of the Survey have been directed especially towards assisting the mixing industry. This has been accomplished not only by the written reports and maps, but by personal contact and communication with prospectors and operators in the mining fields. In the important mining fields intensive studies have been made of the geology, the genesis of the ore deposits, the laws governing their deposition, and their probable form and extent. In the still undeveloped regions the value of the Survey's work lies in directing prospectors to the more promising parts and in furnishing geological maps and information on the geological conditions under which certain minerals occur. In the course of their field work, the members of the Survey staff do a great deal of education work that is not generally known or recognized. This work consists in the discussion and elucidation of problems that are constantly confronting workers in various fields such as in drilling for water, oil, coal, etc., in the development of mineral prospects, in the identification of mineral, botanical or other species, and in many other ways.

Not the least important part of the Survey's work in this direction is in pointing out to prospectors and miners what should not be done. In this way a great deal of money and en rgy has been saved by indicating that certain exploratory work or proposed expeditions would lead to no result.

How appreciative the mining industry is of the efforts of the Survey to aid is proved by the large number of letters on record in the office from both prospectors and the large mining companies of the Dominion, and their urgent requests for studies by the Survey that greatly exceed in number the capacity of a survey of this size.

As an instance also of the influence that the Geological Survey has had in the settlement and development of the Dominion, mention might be made of Prof. Macoun's reports regarding the agricultural possibilities of the Northwest, written at a time when pessimism prevailed and every effort was being put forth by the large railway companies of the United States to prevent settlers entering the region. Prof. Macoun's knowledge of its possibilities and his optimism were of incalculable value to the whole Northwest, and it is generally admitted that his writings in the early eighties started into that region the stream of settlers that has grown to its present enormous proportions.

By the investigation of the surface geology, soils, and rocks suitable for road construction, the work of the survey touches the interests of the agriculturalist and all classes of the community.

One result of the Survey's work, both detailed and reconnaissance, has been the completion of a geological map of the Dominion on which, however, some blanks remain. More detail is shown on the southern parts of this map than on the northern. Large areas in the north have I cen geologically coloured, but a great deal of detailed filling in between the main exploration routes is still required and some blanks still remain.

It is not those directly concerned with the exploration of the natural resources alone who find the information obtained by the Survey useful. The engineer uses the topographical maps to locate his roads and other lines, and the geological maps and reports to locate his materials of construction, while a knowledge of the geological structure is often essential in tunnelling, excavating, dam-building, and other engineering projects.

The scientific work is of value to students and clucators everywhere. Direct assistance to clucation is rendered by the training given to students of engineering, mining and geology in the field parties, and by the literature, maps and collections presented to the educational institutions throughout the country. The museum in connection with the Survey is an educational institution of the first order to those who can visit it, particularly to students and investigators who come to study the collections.

The records of the Survey furnish a storehouse of information concerning Canada, that is freely used by the other departments of the government.

Responding to the development of the country, the Survey has in the last six years grown rapidly. The geological staff has been increased and strengthened, a topographical division has been organized, the anthropological division was created, and the zoological subdivision established.

Coupled with the record of the achievements of the Survey are the names of its six Directors, to whom must be given the credit for moulding the policy and planning the work of the staff. Every one of these has been a man of high reputation in the world of science, and each of the later directors has ably carried on the work for which the first—Sir William Logan-laid such a broad and sound foundation. Sir William served from 1842 to 1869, and was succeeded by Dr. A. R. C. Selwyn, who directed the Survey until 1895. Dr. G. M. Dawson held the post from 1895 to 1901, after which Dr. Robert Bell was acting Director until 1906. Dr. A. P. Low took charge in that year, and in 1907 was made Deputy Minister of the new Department of Mines. Upon the illness of Dr. Low in 1907, Mr. R. W. Brock became acting Director, and in 1908 Director, and in 1914 Deputy Minister of Mines. All these men were not only capable administrators, but experienced geologists, who had done their share of the work in the field. The limitation of space ferbids more than a bare acknowledgment of the work they did for Canada, and the honour they won for the Dominion civil service.

The functions of the Geological Survey as stated in the Geology and Mines Act, 1907, are:

a) "To make full and scientific examinations and surveys of the geological structure and mineralogy of Canada; to collect, classify and arrange for exhibition in the Victoria Memorial Museum such specimens as are necessary to afford a complete and exact knowledge of the geology, mineralogy, palaeontology, ethnology and fauna and flora of Canada, and to make such chemical and other researches" as are necessary for the work of the Survey.

b) To study and report upon the facts relating to water supply for irrigation and for domestic purposes, and to collect and preserve all available records of artesian and other wells.

c) To map the forest areas of Canada and to make and report upon investigations useful to the preservation of the forest resources of Canada.

 $\beta$ . To prepare and publish such maps, etc., as are necessary to illustrate and elucidate the reports of surveys.

(i) To carry on ethnological and palaeontological investigations.

It is the function of the Survey also to prepare and publish reports on the operations of the staff each year, and at intervals to issue special detailed reports of a particular district or subject covering the topics mentioned above. Topographic and geographic surveys are also made wherever necessary and are published as maps, etc., to represent the geological, mineral, or other resources of the country.

The survey is therefore not confined in scope to geology, but embraces all natural history. This was reflected in its old name of Geological and Natural History Survey of Canada.

Before Confederation and until 1881 the Geological Survey was located in Montreal and was outside the civil service, but was for administrative purposes under the Department of the Provincial Secretary, and in 1867 it was naturally taken over by the Department of the Secretary

of State. In 1873 it became an outside branch of the Department of the Interior. In 1881 it was moved to Ottawa and taken into the civil service. In \$890 it was accorded the rank of a Department and its director became a deputy head. The present arrangement dates from 1957 when the Department of Mines was created to include a Mines branch along with the Survey.

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The chief officer of the Survey is the Director, who has under his control a permanent staff of technically trained officers who carry on investigations in all parts of Canada, and in all subneets that come within the functions of the Survey. In addition to these, professors and teachers of scientific schools and universities are frequently engaged to undertake certain investigations, Appointments to the permanent geological staff are now made only after a long period of probation and a rigorous training, covering at least seven years at some of the larger universities

The Geological Survey is now divided into a number of distinct branches, each of which is officered by a staff of technically trained men. These branches include the following:- Geological, subdivided into geological, topographical, mineralogical, and palacontological divisions; anthropological, subdivided into ethnological and archaeological divisions: biological, subdivided into zoological and botanical divisions, boring records, draughting, photographic, besides which are branches for the distribution of mineral and rock specimens and of reports and maps.

The Geological is the major branch of the Survey and consists of 24 geologists whose work it is to carry on detailed or reconnaissance geological investigations in various parts of the Dommion and to prepare reports and maps on such investigations.

The Palacontological branch comprises 10 members who are engaged in the collection, determination, classification and study of fossil animals and plants.

The Mineralogical branch, with a staff of 3 members, analyses, determines and classifies minerals collected by field officers and others, and makes collections of minerals for distribution

The Topographical branch has 11 permanent members, who make surveys and prepare maps which form the bases for the geological work.

The Anthropological branch, with 5 members, is engaged in the study of the ethnology and linguisties of the native tribes of Canada and their archaeology.

The Biological branch has a staff of 7 members including botanists, zoologists and preparators, who make a study of the animal and vegetable life of the Dominribution, variation, and economic importance of the

The object of the Boring Record branch is to collect and study the records of bore holes in order to assist men engaged in drilling for water oil, gas, salt, etc.

The Draughting branch has a staff of 15 members, whose work consists in the compilation and drawing of maps and diagrams and their preparation for reproduction in reports.

The Photographic branch develops, catalogues and files all photographs taken by officers of the staff on the field, and makes photographs for use in map reproduction and for illustrations.

The remainder of the Survey staff is made up of clerks stenographers, mechanics and messengers.

The library of the Survey contains over 20,000 volumes of scientific literature, dealing with subjects which come within the sphere of geological survey work.

The Victoria Memorial Museum is a part of the Geological Survey and each branch of the Survey has charge of its own section of the museum. As the National Museum of Natural History it is aimed to make it a repository for all objects of scientific interest and value within the Dominion. Biological, geological, mineralogical and anthropological collections for the museum are made by the officers of the staff from all parts of Canada, and are prepared for exhibition by a staff of skilled preparators, modelers and mechanics. These exhibits are educational in their aim and when complete, a visitor to the museum will be able to obtain from them a very fair conception of the animal and plant life, the geological, mineral and other natural resources of the Dominion, as well as the ethnological and archaeological material that it contains. The scientific collections are available to all students, and will, it is hoped, furnish all



Hos Philippi Roy Agent General of Canada in Paris, France



Major E. D. Surefilland Assistant Auditor General



James Whitte Deputy Minister Assistant to the Charman Commission of Constitution



WHITTAM FITZGERALD Supt of Insurance

the material necessary for the investigator for a complete study of any branch of Canadian natural history.

The Survey, since its inception, has published about 1,200 separate reports and maps which deal with almost every part of the Dominion. These reports contain the largest fund of information on the natural resources of the Dominion of any department of the government service. They are distributed to all parts of the world and as the information they contain is of an authoritative and reliable nature they do much to advertise the Dominion in the eyes of the world. The summary report is an annual issued at the close of the year. The detailed and special reports follow as soon as possible after the completion of the investigations. The reports are distributed to all who desire them, and copies are to be found in all the leading libraries of the world.

There are at present on the staff of the Survey, 101 permanent employees who are on the civil sorvice list, 83 men, and 18 women, and 15 others who are not on the list. The temporary office staff includes 5 members, and the temporary field staff 93 members, besides a number of canoemen, packers, cooks, etc., who are attached to the parties during the summer work.

Previous to Confederation or from 1842 to 1867, the Geological Survey was under the control of the Secretary of State for the United Provinces.

#### The Mines Branch

The Department of Mines is divided, as already explained, into two main branches known respectively as the "Mines Branch" and the "Geological Survey." Although the department in its present organization was created only as recently as 1907, the Geological Survey had been in existence long before the days of Confederation, and its history will be found described elsewhere in this volume.

Known for many years as the Geological and Natural History Survey of Canada, the work of this department in its earlier years was largely of scientific interest though much of it had an economic bearing. A rapidly growing mining industry, however, created an increasing demand for more attention to the interests of the mining community, which demand was met in part by the creation in 1886 of the Division of Mineral Statistics and Mines in the Geological Survey, in which was undertaken for the first time the annual collection of statistics of mineral production in Canada, and the beginning of the systematic study of the country's mineral resources.

The organization of this division, however, did not fully meet the requirements of the mining industry whose representatives continued to press for more economic work and the establishment of a branch that:

"Should deal with inspections and reports concerning the conomic possibilities of districts already discovered and of regions yet to be explored. Monographs on various localities, industries, processes and methods should be issued frequently . . . . "

The Mines branch may be said to be the culmination of this demand—organized under the "Geology and Mines Act of 1907," it took over the investigation work which Dr. Haanel, who was appointed as Director of the branch, had already as Superintendent of Mines initiated, and carried on in the Department of the Interior since 1902, to which was added the work of the Mines Section, chemical laboratory, and certain other economic work of the Geological Survey.

Briefly the functions of the branch as defined in the Act of organization comprise:

- (a) To collect and publish full statistics of the minera, production and of the mining and metallurgical industries of Canada, and such data regarding the economic minerals of Canada as relate to the processes and activities connected with their utilization, and to collect and preserve all available records of mines and mining works in Canada;
- (b) To make detailed investigations of mining camps and areas containing economic minerals or deposits of other economic substances, for the purpose of determining the mode of occurrence, and the extent and character of the ore-bodies and deposits of the economic minerals or other economic substances,

- (c) To prepare and publish such maps, plans, sections, diagrams, drawings and illustrations as are necessary to elucidate the reports issued by the Mines branch;
- (d) To make such chemical, mechanical and metallurgical investigations as are found expedient to aid the mining and metallurgical industry of Canada;
- (e) To collect and prepare for exhibition in the museum specimens of the different ores and associated rocks and minerals of Canada, and such other minerals as are necessary to afford an accurate exhibit of the mining and metallurgical resources and industries of Canada.

The following Divisions have been organized in the Inside Service, viz., Division of Mineral Resources and Statistics. Division of Fuels and Fuel Testing: Division of Chemistry; Ore Dressing and Metallurgical Division. Division of Metalliferous Deposits: Division of Non-Metalliferous Deposits: Draughting Division, and in the Outside Service, the Dominion of Canada Assay Office, at Vancouver, B.C.

It is expected that an Explosives Division will be added to the Inside Service as soon as the "Explosives Bill", to be re-introduced in Parliament during the present session, is adopted.

Division of Mineral Resources and Statistics: This division has charge of the collection and publication of statistics of mineral production and of general information respecting the mining and metallurgical industries of the country. The annual reports contain not only a very complete statistical record of the country's immeral and netallurgical output including cement, clay products, quarry production, oil and gas wells, etc., but also all available data as to imports and exports of minerals and mineral products, markets, prices, trade conditions, etc. Lists of producers are included in the reports and also separately published. In addition to its published reports, the division through correspondence is called upon to furnish to enquirers a great variety and extent of information respecting the country's mineral resources.

Division of Fuels and Fuel Testing: The primary object in establishing a fuel testing station at Ottawa, which has been erected on Division street, was to demonstrate that peat could be economically utilized as a fuel for power purposes in a producer-gas power plant. Since then, it has been decided to extend the scope of the investigations, namely, to include the testing—on a commercial scale and in a commercial gas-producer—of the bituminous coals of the extreme castern and western provinces, and of the lignites of Manitoba, Alberta, and Saskatchewan.

The producer-gas plant was installed at the Fuel Testing Station for testing the various kinds of fuels met with in Canada, in order to show, principally, the great saving in fuel that could be effected by its use.

The Fuel Testing Station is provided with a 60 h.p. double zone Körting gas-producer, with wet coke scrubler, tar filter, and dry scrubber; and a Westinghouse 100 h.p. bituminous, suction gas-producer, complete, with exhauster, wet scrubber, gas-receiver, and moisture-separator, and a 60 h.p., 4 stroke cycle, single acting Korting gas engine, and a 50 k.w. direct current Westinghouse electric generator directly connected to the engine, together with other necessary equipment.

A chemical laboratory has been installed and is provided with the necessary apparatus for making complete gas analyses, fuel analyses and determinations of the calorific value of fuels.

A very complete investigation of the utilization of peat fuel for the production of power has already been carried out and the division is now engaged in the testing of lignites from western Canada. In addition to the fuel testing, a field examination of peat bogs is being carried on, determining area, depth and character of peat for each bog. A considerable number of peat bogs have already been examined.

Division of Chemistry: On the top floor of the main office on Sussex street, the branch is provided with a large and exceedingly well equipped chemical laboratory, for the assaying and analyzing of ores, minerals and rocks. Much of the work done here is purely departmental, i.e., examinations are made of material brought in by members of the staff, both of the Mines branch, and of the Geological Survey. Public work is, however, u.s.k.raken when desired at fees slightly in excess of those charged by commercial laboratories.

Ore Dressing and Metallurgical Division. A large addition was made to the Fuel Testing Station during 1912, and this building now contains the new and enlarged laboratories for ore dressing and metallurgical investigation.

The laboratory is equipped with standard size machinery and apparatus for crushing, screening, sampling, amalgamation and concentration tog, aer with small scale apparatus.

A systematic investigation of the concentration of low grade magnetite ores has been in progress during the past three years including field studies of some of the titaniterous magnetites found on the north shore of the gulf of St. Lawrence. Several reports have been published giving results of this work.

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One of the first commissions undertaken by Dr. Haanel was an investigation of the different electro-thermic processes for the smelting of iron ores and the making of steel in operation in Europe. This was followed by the experimental investigation of the subject by the erection and operation of an electric smelting plant at Sault Ste. Marie. Ontario. Complete reports of these investigations were published as well as supplementary reports on the recent advances in the construction of electric furnaces for the production of pig iron, steel and zinc.

During several years past, experimental work has been conducted upon the treatment of zinkiferous. These experiments were first begun in the metallurgical laboratory at McGill University ad are at present being continued in a small plant on a commercial scale at Nelson, B.C.

Divisions of Metalliferous and Non-Metalliferous Deposits. These divisions are engaged in the preparation of special monographs based on field studies describing the natural resources of the country with respect to certain minerals, or ores, and discussing the latest and most economical methods of mining and treating these ores and utilizing and marketing the products. Quite a number of monographs have already been published, including reports on iron ores, zinc, molybendam, tungsten, chromite, nickel, asbestos, gypsum, graphite, mica, pyrites, building stone and others. Some of these, such as those on iron ores and on building stone, are being issued in series, separate parts covering provinces or special districts. Monographs on the copper smelting industry in Canada, building and ornamental stones in the maritime provinces, lode mining in the Yukon, gypsum in Canada, the preparation of metallic cobalt by reduction of the oxide, etc., are in press, while others on feldspar, phosphates, petroleum and natural gas fields, and salt, are on the market and works on the uses for various non-metallic products are in preparation.

Proposed Regulation of the Manufacture of Explosives: The serious loss of life and property accompanying the destruction during the past few years of several magazines in which high explosives were stored and the long list of casualties resulting from accidental discharge of explosives, emphasized the great necessity of government control and regulation of the manufacture, handling and storage of high explosives. A thorough investigation of present methods of manufacture and storage has been carried out by the Mines branch, Captam A. P. H. Desborough, one of His Majesty's inspectors of explosives, having been brought to Canada to consult with the Government with regard to the proposed regulation and the establishment of a proposed explosives testing station. Accompanied by an officer of the department, he has visited nearly all the Canadian explosive factories and distribution depôts where high explosives are stored in order to study the existing condition in Canada.

Based upon Captain Desborough's report and recommendations, a Bill has been prepared and presented to Parliament. Its adoption has been delayed until certain questions affecting provincial jurisdiction had been satisfactorily agreed upon. It is understood, however, that all difficulties have now been met and that the Bill will be adopted during the present session, in which event the organization of an Explosives division will be proceeded with.

Draughting Division: All the necessary maps, plans, drawings, etc., required to illustrate the reports published by the branch are prepared in this division.

Vancouver Assay Office:—The Dominion of Canada Assay office at Vancouver, B.C., is another of the divisions operated under the Mines branch, and is classed in the outside service. This office was established some years ago to furnish the mining operators of the Yukon

and British Columbia with a convenient market for their gold and to keep the trade accompany-

About 90 separate reports have been issued by the Mines branch to December, 1913, together with 107 maps.

The number of permanent employees on the inside staff as provided for in the estimates of 1914-15, which includes several additions to the present establishment, is 51, of whom 9 are female clerks or stenographers. On the outside service 6 (comprising the entire staff) are employed in the Assay office at Vancouver, and at Ottawa 17 are employed permanently on outside service at the fuel and ore testing plants, chemical laboratories, etc.

In addition to the permanent staff there are usually a number of technical engineers and assistants engaged in a temporary capacity either in metallurgical investigation or in the investigation of ore deposits, building stones and quarries, petroleum and natural gas occurrences, etc. During the season of 1913 about 6 technical engineers were so engaged, together with a

# Department of Indian Affairs

To discover how the native Inlian tribes, inhabiting the portion of North America now known as the Dominion of Canada, found her an abiding place, is not one of the essential duties of this department.

It is the function of another department of the government to label these tribes. Aryan, Semitic or otherwise, to discuss whether they came from Asia by cances or by a long-ago-sunken continent, or whether they sprang by impaculous both, upon to



ARTHUR G. DOLGHTY DOMINION Arghryst



DUNEAN CAMPBELL SCOTT Deputy Supt. General of Indian Affairs



RICHARD GRIDG Commissioner of Commerce

scene of their joys, their strifes and their final subjugation. The Department of Indian Affairs takes the Indian as the circumstances found him at various periods in the country's history, as a bitter foeman, as an ally in war and as the ward and protégé of the Crown. The rights of these trib's are such as a conquering race may youch afe to a defeated and admittedly inferior one. A careful perusal of the Aet and a study of the work done by the Indian Department will demonstrate now the Canadian government has acquitted itself; whether it has acted generously or merely justly in its treatment of the primeval tenants of Canada's fertile domain.

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The administration of Indian Affairs by Breish authority dates from the latter part of the seventeenth century. At that time the Confederacy of the Five Nations was by far the most powerful and influential body of Indians with whom the English had to deal. They had not only a large membership in their own confederacy, but had as their allies the western and southwestern tribes. The government realizing the necessity of appointing a staff of effects who could deal directly with the Indians and become specialists in diplomatic relations with them, named, in 1689, Cornelius Veile, commissioner to the Five Nations

A little letter the Colony of New York appointed four commissioners to deal with Indian affairs—but by 1739 their number had reached duity and such abuses had crept into this method of transacting business that Gov (nor Clinton in 1746 decided to place the power in the bair ls of a single individual. The appointment fell to William safterwards Sir William Jehnson who by his allifty in dealing with the Indians, moulded the whole policy of the department for over one hundred years. It may indeed be said that his influence has not yet ceased.

After the Treaty of Paris St. Wal am extend of his authority over the conquered territory, and appointed a deputy to assist a corrying on so administration. The two titles superintendent general and deputy superintendent general, wave been outfined dimost uninterruptedly and survive to-day in the present designation of the leads of the department. Sn Withoun was succeeded first by his neplew. Color of y Johnson and later by his son, Sir John Johnson, who held office until 1828, when the accordance title of superintendent general was abolished as applied to the chief outside officer.

Until 1830 the administration was purely of a nalitary character, as the Indians were considered rather as allies than as ware's of the crown. In 1820, however, Sir George, Murray, then Secretary of State for the Colores, placed linear Affairs in the hands of the civil authorities devoling the country into two departments—one for Lower and the other for Upper Canada. The actual administration, Lowever, remained with the Imperial authorities until the first of July, 1860 wh. (Indian Affairs were at)—hed to the Crown Lands Department and administered with that branch until Confederation.

During all this long period very little had been done towards education and civilization. The chief duty of the military Indian Department was to distribute the presents which the Indians had emoved from the earliest times, and which were inducements and records for allegiance and loyality. Missionaries and private individuals were the pioneers in evangelization and education. Whatever humane policy the provincial authorities had carried on was continued and widehed when Indian Affairs were handed over to the Dominion at Confederation.

For six years after Centederation Indian Afrairs were attached to the Secretary of State Department. In 1873 they became part of the Department of the Interior and finally in 1880 the Department of Indian Afrais was created, under the direction of either the Munster of the Interior or the head of seventher department, which arrangement continues in force to-day.

During the last thatyst—vears the opening up of the country and subsequent advance of civilization have made necessary an equal growth in the power and responsibility of the department. Graduatly its work and influence have been extended until now almost all the Indians of Canada, even those living in some of the far Arctic regions—come under its direct control.

Before the inroads of settlement called for the acquisition of large areas of land to next the needs of modern life, the Indian enjoyed andisturbed possession of land and water, and gathered where he could the means of his subsistence. The advent of the white man, with different aspirations and ambitions, caused restrictions to be placed upon the Indians' freedom; and from this circumstance arose the policy of setting aside tracts of land known as reserves for the sole use of the Indians. To-day there are scattered throughout the Dominion more than fifteen hundred reserves, comprising a total area, roughly speaking, of five million acres.

A total of almost 107,000 Indians enjoy possession of these reserves. This population is widely scattered and is shown distributed by provinces as follows:

Alberta			
British Columbia		1 6	8,220
Mantola.	,		-25.172
			10.822
Nova Scotia .			2.018
New Brunswick			1.920
Prince Edward Island			292
Ontario , ,			26.077
Quebec		1 + +	
Saskatchewan			12,842
Northwest Territories	•		9,699
Yukon			8.030
			E.389

106 490

In the Maritime provinces and in Quebec and British Columbia reserves were allotted to the Indians generally without treaty. In Ontario, Manitoba Saskatchewan and Alberta, however specific treatic with the Indians were made and reserves were set a de generally in the proportion of a square mile to every family of five. In addition to this land right, the terms of the treaties guaranteed an annual cash payment of from \$4 to \$5 a head. The earliest treaty of this nature was that made on July 18, 1817, between the Earl of Sckirk and the Indians of the Red river. This secured to the government peaceable possession of the country purchased from the Hudson's Bay Company in 1811. Although not permanent, it is interesting as the first treaty made with any of the western tribes. The land ceded was a large portion of what is now the province of Manitoba. With the desappearance of Lord Scikirk's interest in the territory the consideration, which was 200 pounds of "good and merchantable tobacco," ceased to be paid. The cession was to the king, <sup>1</sup> at in 1871 a more binding treaty conveyed to the crown a title to the same region.

Scattered as the Indians are over so wide a country as this Dominion, it is inevitable that there should be a wide difference in their occupations and enganstances. Many of those living far from the influences of civilization still adhere to the ways and manners of their forefathers. But the majority, surrounded by the modern influences of settled communities, are, with the assistance of the department, adapting themselves to the changing order, and seeking their livelihood as artisans, labourers, farners, ranchers, fishermen or lumbermen.

Some idea of the progress made by the Indians in the arts of civilization may be obtained when it is considered that the Indians of Canada cultivate one hundred and fitty thousand acres or land, and narvest almost a nallion and a half bushels of grain; that they own over two and a helf millions worth of live stock, and earn annually from their various industries close to five million dollars.

The approximate value of land on the reserves is over forty-five and a half million dollars exclusive of the timber and namerals, and for the areas under rental the Indians receive an annual income of more than one hundred and twent; one thousand dallars. Funds realized from the sale or lease of Indian lands, timber or minerals are held in trust for the band, whose property has thus been alienated. Up to 50 per cent of the proceeds of the sale of Indian lands and 10 per cent of the proceeds received from the disposition of tumber may be paid in each to the members of the band, under terms that are agreed upon at the time the consent of the Indians to alienate is obtained. The baiance terms a special fund which is placed to the enclit of the particular hand. This fund is rately enero iched upon, but may be expended upon whatever will prove a permanent benefit to the band. The interest on these funds may be either expended for the benefit of the band or distributed among their members annually in each.

To make possible, and to stimulate, this degree of progress, the department has accepted to a great extent the burden and cost of education. The missionaries and various churches have undertaken a great deal of the work of education, but the department has joined hands with them, and given material assistance in every way possible. To-day there is in force a most modern system of secular education. There are in actual operation nowe than two hundred

and fifty day schools fifty-five boarding and twenty-one industrial schools. These are controlled by the department but in many cases are operated under the disputes of some church. The day school are dispertable on the reserves, and provide education for Indian children whose parents do not find it necessary to seek it enclaimed off the reserve. The boarding schools are not always situated on reserves, and are established for orphans and children of parents whose life and work take them away from the vicinity of the day schools. The industrial schools are, of course also residential, and afford opportunities of somewhat higher case it on than the boarding schools generally give.

department contributes almost three quarter of a million dollars annually towards apport of the einstitutions. For the residential schools a per courts grant of from eighty thanked as I twenty-five dollars is allowed, depending upon whether the department area on hostics erect and own the sencol, and upon the standard of the building itself vices are set on a soften government appropriation. It is a creditable fact that out of a soften house of about sixteen thousand, there are curolled some eleven thousand vices are set of vite an average attendance of six thousand eight hundred and fifty, or over

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these as farmers or ranchers in the most favourable circumstances, and providing to a cole with instruction but with all necessary materials and help, is proving that the cole make a very favourable comparison with the white man when afforded the same and additionals.

In dealing with all the phases of India might be termed the humane aspect. Some to be neved doctors in the employ of the department render prompt and efficient service who to the department tuberculosis, the disease who whenever possible those afflicted and the information of the department is always ready to answer any legition of the department of the information of the department is always ready to answer any legition of the department of the department is always ready to answer any legition of the department of the department is always ready to answer any legition of the department of the department is always ready to answer any legition of the department of the department of the department is always ready to answer any legition of the department of the

In the latter part of the eighteer status or posit a of the Indian was to serve at this protection was made to serve at the protection of the fact of the protection of the pr

A noticeable mark of advancement lies in the fact that many of the Indian communities have established a system of municipal government on the reserves, and have taken into their own hands the management of roads, police, sanitary arrangements and, to a certain extent schools. Such systems of internal economy are usually followed by satisfactory results.

The 15st few decades have seen much progress, but great strides have yet to be taken, and perhaps several generations must clapse before the Indians will become recognized members of the community vested with the privileges and bearing the full responsibilities of citizenship.

There is another aboriginal race living on Canadian soil that comes to some extent within the influence of this department. Far away in the Arctic regions there live some 3,300 Eskimos. It was it is a has these that the warm-hearted Ohver Goldsmith sung in "The Traveller", in endeavouring to find "the happiest spot below".

"The shundering tenant of the frigid zone Boldly proclaims that happiest spot his own; Extols the treasures of his frozen seas. And his long nights of revelry and ease."



HON, MARTIN BURRELL Miniscor of Agriculture

But it is not always "revelry and ease" with the Eskimos. As those guardians of Canada's peace and security. The Royal Mounted Police, find cases of distress among those northern tribes, the facts are reported to the Department of Indian Affairs, and medicine, food and clothing are provided.

Thus it is that this department carries on its humanizing task of succouring and elevating the less fortunate races within our boundaries; representing the divinely-inspired principle of the brotherbood of man, and interpreting the aspiration of the Canadian Government to exalt the human race, and to carry its full share of the white man's burden to its destined goal.

# Department of Agriculture

The Department of Agriculture is one of the comparatively few departments of the public service that have come down from Confederation. In fact the organization was taken over bodily from the old Province of Canada, and Dr. J. C. Taché, a man of eminence in the

public service, held the office of deputy minister from 1864 before Contederation until tailing health compelled him to retire in 1888.

But, in the early days, as a glance through a file of the reports of the minister will show the department had to do with nearly everything but agriculture. As one reads in these reports, the explanations concerning patents of inventions, archives, immigration, public heaith, criminal statistics and many other subjects not one of which relates directly to agricultural matters, one cannot but wonder how the department got is the minister of that day candidly remarks: "This department in the first place. In 1872, the minister of that day candidly remarks: "This department with the subject of agriculture, has hitherto dean with it only meidentally, the necessary organization not having been complete, nor the necessary supplies veted, to make it one of the branches of its administration." But he goes on to show how important agriculture is in the life of the Dominion and how necessary it is that in Canada the government should assist a spreading knowledge of the science of their business among the farmers as is done in so many other countries. It all quite reminds one of Artemus Ward's famous dictum that "A counce paper is all the better for an occasional joke." The minister seems to think it quite right that he should be burdened with all other matters, but he suggests, in effect, that a department of agriculture is all the better if it has something to do with the great interest of farming.

In 1873 the minister reported in favour of the publication by the department of investigations by specialists into agricultural problems, and the collection and dissemination also of the census of 1871.

But little or nothing seems to have been done for some years to carry out this suggestion. In 1884 appears for the first time in connection, with the Department of Agriculture the name of a man who afterwards won a high place as a public official and as a working scientist. This was Dr. James Fletcher, who in that year made a preliminary report as Dominion entomologist, having been appointed to this "entirely honorary position," as the minister calls it, with a view to helping to save some of the many millions which the farmers of Canada lose through

It was in 1885 that the Department of Agriculture really made a start in the work for which it was primarily established. The first step was the demand upon Parliament of a vote of \$20,000 for the establishment of an experimental farm, and the appointment of one of the most eminent agricultural scientists Canada has ever produced to take charge of the new work Dr. William Samiders. From that time until the present the development of the department as a means of promoting the great interest of agriculture throughout the Dominion has gone steadily forward.

But it is not intended by this to suggest that the work with which the department began, a considerable part of which it still carries on, was unimportant. The subjects given above as coming within its purview would of themselves contradict any such assumption. Every one



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of these branches of the public service is important, and some of them vital. Some, as for instance, archives, census and statistics and others, have been handed over to other departments, and need not be dealt with further here, as they are taken up in connection with the departments to which they now belong. The records show that the work of the department efficiently carried on, and they show also that expenses were always kept down and that with the small staff that existed, the average official must have worked energetically. The value of that work to the Dominion can hardly be exaggerated.

It would be interesting, did space permit, to follow the Listory of the Department of Agriculture and show how, one by one, as circumstances changed the services which it managed were handed over to other departments and how, one by one, the new services for the assistance of agriculture in all its branches, were inaugurated and brought to their present state of perfection.

As at present organized, the Department of Agriculture is actually what its name indicates. The only branches witch do not relate directly to the subject of Canada's main industry are public health, patents and copyrights including trade marks, industrial designs and timber marks. These branches have been part of the organization from the beginning, and their work has acrossed with the growth of the Dominion and has become more complex and exacting with the development of science, transportation and basiness generally.

The Director General of Public Health is one of the best-known and most highly valued of public servants. Dr. Fred. Montizambert, LSO. Dr. Montizambert has spent a long-life in public duty, having entered the service in 1866. The year before Confederation. Under his able direction the branch of which he is the head has advanced to something like the recognition it ought long ago to have had. There is a strong movement afoot to make public healtr a separtic deportment with a responsible imposter at its head. Should this be done the nucleus of the necessary organization will be found in the present branch. In the many half a century of middle work Dr. Montizambert has done more than any records every delikely to show to grant the people of Canada against the intrusion of contagious deserve, but to advance in countries ways the care of the public health.

Air W. J. Lynch is chief of the Patents branch. He has been in the public service for test, eight years, and his long service and the smoothness with which the work of his larger trator. Surfamely, staff consists of sixty-one people seventeen or whom are patent examiner. The the fiscal year 1912-13 there were issued 7.309 patents of a contract of the contract of the fiscal year 1912-13 there were issued 7.309 patents of a contract of the practised in the Patents branch, it is done under the pressure of necessity.

The Copy of sound Trade Marks branch is another rapidly growing por on of a public first as at the branch, Mr. Philip E. Ritchie, has held the present position since general the public service in 1904.

ther branch of the Department of Agriculture is one which is of value not only to the congenterest but also to every business and economic interest of the Dominon. This is the Lie bitions branch, an organization whose business it is the represent Canada at works a time extantation of all kinds. Millions of people have been automated at works and there and settled upon the soil, through the work of the reget company of promoters who campose this branch. Ever some the first World's Land 1841 Canada has been represented at these gatherings. The Centinual Exposition of Placehold in 876 was a triumphant occasion for Canada eleviting from the welf to the first world's Land 1842 was a triumphant occasion for Canada eleviting from the welf to the first of Lie Canada at the service of the construction of another special effort in the part of the Dominion government to demonstry. Canada and mother special effort in the part of the Dominion government to demonstry. Canada at the mall. In 1902 the minister report darrow Agriculture undertook to the present Canada at them all. In 1902 the minister report darrow Agriculture undertook to the department." And to-day it actually is a mainster report darrow at branch of the department." And to-day it actually is a minister report darrow at branch of the

most unique personalities of the public service, Mr. William Hutchison, formally M.P. for Ottawa. Mr. Hutchison has gathered about him a body of men whom he has trained in this peculiar business of advertising Canada through the great exhibitions. He has developed a positive genius for this business; he has, in fact, reduced it to the certainty of exact science and raised it to the level of high art. At many world's fairs of recent years Canada has been almost the whole show. To-day the Exhibitions branch is lard at work on what it is hoped will be use at severe successful effort, the proper sepresentation of Canada at the Panama Pacific Exposition at San Francisco in 1915.

In agriculture proper, as intimated above, the first direct move was the appointment of Dr. Saunders and the establishment of the Central Experimental Farm at Ortawa. A whole book could easily be filled with intensing matter setting forth the development and present services of Canada's great system of experimental farms and demonstration stations. One who will let his imagination range over the half continent which this system serves, with its wonderful productiveness of soil and its almost infinite range of agricultural products will understand something of what those in charge of the administration would seek to accomplish And those who are at all familiar with agriculture in Canada, and who know something of what has been done to acclimatize here the products of other lands and to disseminate here the knowledge which modern science and experimentation place at the disposal of agriculture everywhere, will appreciate what this system has done for Canada. In connection with this system, men have wrought for the love of the work, glad of a living wage because it enabled them to devote their lives to that which seemed to be worth while in the promotion of the public good Besides those already mentioned a very few others may be chosen from the great body, not because their service has been greater than all others, but because, besides rendering service they have, for various reasons, come more promuently before the public. One is Professor F. T. Shutt, Dominion chemist. Almost from the inception of the experimental farm system Professor Shutt has been prominent on the staff. In the careful work of soil analysis, in one promotion of health on our farms through the analysis of drinking water and instructions in securing a pure supply, in the thousand and one ways in which the chemist can guide the tarmer and give his work right direction and certainty of result. Professor Shutt has done so much that Le is rightly counted as amongst the most effective of those whose conjoined labours have mac-Canada what she is. Another is Professor W. T. Macoun, a distinguished member of a family that has given invaluable service in the exploration and development of the Dominion's terri-Professor W. T. Macoum joined the staff of the Central Experimental Farm as a young When, in 1898, the Dominion horticulturist, the late James Craig, resigned to take up the work in Cornell University in which he was to win world-wide fame, Professor Macoun was appointed in his place. As experimenter, administrator and propagandist of sound ideas in farming n no small degree to his labours. Canada's present position as a fruit-growing country is due n no small degree to his labours. Dr. Charles E. Saunders, Dominion cerealist, son et Dr. Wire Saunders is another scientist whose painstaking investigations have greatly promoted the interest of agriculture. Those whose business it is to handle great quantities of cereals in the baking, brewing and other industries, know that these products vary from year to year in their chemical composition, owing to variation of weather and other conditions. How to meet these changes so as to maintain a fixed standard of product is one of the fine problems which have to be faced in these lines of business. In this work and in the no less important work of directing the labours of the farmers in handling new varieties or working new soils, the results of Dr. Saunders' experiments have been invaluable. Many others both at the Central term and in outside farms and stations, should be meationed did space allow. The man now in erge of the whole system is Mr. J. H. Grisdale, whose appointment to the place dates from the a concert of Dr. Charles Saunders in 1911. Mr. Grisdale is eminently qualified for the position, not only by high attainments, but by having served for many years under Dr. William Saunders The web extension for system of experimental farms and the multiplied demiceds or agriculture upon science and transportation have greatly increased the labours devolupon one in his position and call for administrative powers of the highest grade. Mr. Grisdale has proven hunself equal to his great task, and the extension and improvement of the whole system goes on rapidly under his constitution and

But, though the experimental farm system inaugurated the new movements under which the Department of Agriculture becomes a sort of man-of-all-work for the farmers of Canada that movement, as can readily be understood, extends far beyond the bounds of any experiments, however important.

A long step was taken in the development of the department's work when, in 1890, Dr. J. W. Robertson was appointed to the newly created office of dairy commissioner. As his subsequent career has shown, Dr. Robertson is a born leader of men. He has accomplished winder in the inauguration of the great Macdonald College, which was made possible by the bounty of Sir William Macdonald, the noted manufacturer and philanthropist, and in many other ways. He had not been long in a government office when he was appointed agriculture of dairying commissioner with practically an authorization from the minister to organize branches and services for agriculture in the Dominion as fast as he could find officers to man them. Not a compresent branches were established directly by Dr. Robertson, but the importance of the work and of his administration made many things possible which would be compared to make one present day, though it is nearly ten years since he resigned to in the service of the Dominion.

In the first is the reports of the department show some attention was paid to the collection and cassemal attorn of in signation in relation to crops of various kinds. This involved correspondence, the issue of bulletins, and for their preparation the making of experiments and many other activities. This service has been greatly estended as the result of many circumstances, notably the formation in 150s of the International Institute of Agriculture, that wonderful world-innon of the leaders of thought in relation to many basic toustry. The multiplicity of the publications of the department and the wide demand for thou its to the formation of a Publications branch which at present is separately housed from the other branches. The was organized by Mr. F. K. Doherty, who combined with its duties those of Commissioner for Canada or the International Institute. The increase of the work in both these services has competed a division. The Publications branch is now administered and Mr. H. B. Spencer, under whose expalled management the information produce of experts of the department is made available to farmers throughout the Domes.

The Dairying branch of course, was the first one organizes of De Re erson, a comproveness the work which had already begun was stended in the Last motal on Penne Edward Island, and move there the refer the Territy is of the West dairying we considered as a permanent industry. The development of this consists one of the next of the development of the analytic was to at least organization of the control of the

In 1899 an Act was passed relating to cold storage on steamships. This system has since occur enlarged, improved and applied in many cays to addition the handling of persone products not only on steamships but on railways as were

In the same year, 1898, another branch had its first beginning. This is the Seed by netnow, under the charge of Mr. George H. Chark and working through a divergence is for the improvement of a strate of distoral errors out for the collection of weed pasts. Learning senontists not only. Consequence of the livest and most useful branches of the partie service.

In 1900 legislation was passed at the instance of the Department of Agr. (1906) of the neorporation of itse stock record associations. The opened mother oriflant crapter in the history of the department. It led soon to the appoint near the Deal, G. Rutherford one of the leading veterinaries of the Dominion and a former M.P. for Maintobe as hard of a branch of animal industry. Dr. Rutherford mainly through his wonderful weed an organizing and and carring of this branch, consider the honour of the from H. Marchine King at for wide personal repularity with Canadems everywhere. The was kelled to be Canada's in a personality in the organization of the International Institute of Agraculture. As cheef veteral ary inspector, the office to which he was first appointed at a succeeded a man who chaineds well remembered by a many and norsement everywhere. This was Dr. Dancan McEachran, who had served for many years and had given disting a sheet service in saving 0 mada from the



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importation of annuals bearing infectious disease. When Dr. Rutherford retired in 1912, Le was succeeded by Dr. Fred Torrance, an enument veterinary. The constant increase in the work compelled Dr. Torrance to devote his whole attention to one branch. He is now chief veterinary inspector, while Mr. John Bright, one of the best-known and most successful of Canada's practical stock-breeders, fills the office of live stock commissioner. This layer stock division not only promotes animal husbandry, but also protects the public healt, by the inspection of the ment-supply, a service whose importance is beyond estimation.

When the South African war broke out, the Department of Agriculture was made the agent of the Imperial government for the collection and forwarding of hay and other supplies. It is service was soon found useful in other ways, and so it became permanent. It is now definitely organized as the Extension of Markets division, under Mr. W. W. Moore an officer of more than common ability and success.

The Fruit Marks Act, for the protection of Canada's good name in the export of apples and other truits against the trands of unscrupulous packers, was passed in 1900. This was made the basis for the present Fruit division.

The first head of this work was Mr. W. A. McKinnon. His appointment to a trade commissionership in England led to the promotion to the place of Mr. Alexander McNeill, a man of whom the axi service is proud and whose recent death is deeply regretted. Mr. McNeille was a experienced from grower and a man of unusual culture. His work required fact commission to possess in abundance. As a result the Fruit Marks Act has become a permanent and working tiw, whate the division has done most excellent work and more of it year by year to promote the production and profitable marketing of fruit. Mr. McNeill not only benefit the public, but he laboured earnestly, unselfishly and successfully for the good of the excellent cooperative store for the benefit, prenarily, of the civil servints of Orlawa. The difficulties of the pioneer work in such an institution would have been impossible for a man less guited or less devoted than Mr. McNeill.

The divisions of dairying, cold storage, fruit and extension of markets are now united in one branch under Mr. J. A. Ruddick as dairy and cold storage commissioner. Mr. Ruddick has made his way to the top of his protession by sheer ability, and his about a mobile office lave been productive of great good. He is one of the many men in the service to whom dairy not a burden but a praylege, and the public benefit from whose work is out of all proportion to the salaries they receive.

According to the last Civil Service List the regular employees of the Department of Agriculture number 1.062, of whom 288, including 33 temporaries, are in the inside service throughout the Dominion. Besides these there are many temporary and occasional employees especially in the several branches of inspection during seasons of unusually heavy business.

To administer a system so widespread, so complex and so active is a work calling for the I ghost qualifications. The credit for that work is due primarily to the Deputy Minister and Deputy Commessioner of Latents, Mr. George 1. O'Holloran. Mr. O'Halloran is a lawyer by profession, which is a great advantage to a man in almost any administrative effice, but consistently so in the case of one who must administer such difficult raws as those relating to patients, trade marks and copylights. He was appointed to his present position in 1902, on the remement of the late Mr. O'Halloran has had course of the department throughout nearly the whole period of its greatest expansion and deserves the thanks of the people of Canada for his devotion to his duties and his marked success in their performance. Next in office in the advantance is the issistant deput minister and secretary of the department. Late of, Arthur L. Jarvis 18.0. Col. Jarvis has been in the service since 1868 his permanent appointment duting from 1879. He has made his way to his present position by ability and by the departments of the occupant of such an office, and these Col. Jarvis has displayed.



HON HOSENS SCHOLLERS, BASK C. Market of Louise

There is little opportunity for the spectacular in such work, but the sight of so great and complex a machine working with smoothness and steadness suggests to the discriminating mind that somewhere there is a wise and devoted man who keeps all clear and prevents friction. The depart new is fortunate in having trained a man of Col. Jarvis's qualifications and in finding for him a place where he can render such important and useful service.

Those members of the staff who have been here mentioned are but instances which might be multiplica practically by the whole number, for there is no department of the service of the Dominion in which there is a higher average of earnest conscientious and intelligent performauce of dars

#### Department of Labour

No department of the government toucks the line or the great mass of the people more intimately than does the Department of Labour. In this new country of ours everyone is a worker, and if the department had no larger field for study than that of the relations between

employers and employed, it would have work enough and to space. In point of fact, however, the department is the only governmental agency for sociological and economical to earth on a general scale. For example, at the present moment, it is the leading, if not the sole, authority on the various phases of the cost of hying problem, the iron of which has so caten into the soul of att classes in the Dominion. Thus, though the department is among the smaller ones, numbering less than thirty on its staff at Ottawa, this is no measure of the importance of the work it is transacting or of its potentialities for growth and influence in the future.

Sir William Mulock to anded the department in 1900. It began in a small way, or three measures having to do prima its with labour questions had recently been passed such as the Fair Wages Resolution, which required the payment of fair wages on all government contracts, and the Ahen Labour Act, which was designed to prevent the influx of labour into Canada under contract. To the work of administering these was now added the publication of the Labour Gazette a monthly journal devoted to reports statistical and otherwise on the condition of labour in Corada, and the carrying out of a policy of conciliation in labour disputes. Mr. Mackenzie Krig. Pose name was later to become well known in Canada, was appointed editor of the Librar Ga, He and in general charge of the newly created department. Soon atter, be became deputy minister, and his success in the became deputy minister. with the settlement of labour disputes, led in time to the settlement of labour disputes, led in time to the settlement of labour disputes, led in time to the settlement of labour disputes, led in time to the settlement of labour disputes, led in time to the settlement of labour disputes, led in time to the settlement of labour disputes. Cabinet as minister of the department he had been a contrar in organizing. No better extension possible of the truth of the statement above  $\alpha = c$  of the antimise importance of the department than the last that  $\mathbf{Mr}$ . King was able to take  $\alpha = a$  is work there so a pid and exceptions.

The department has grown and changed much in the post few years. After Sir William Mulock, Sir Allan Aylesworth became minister for a short became in the post few years. After Sir William Mulock, Sir Allan Aylesworth became minister for a short became in the post few years. Lenneux, who in turn gave place to Mr. King, when the department was given by pendent status. On the change in government, Mr. Crothers, the present minister, took off.

A brief review of the present functions of the department follows

Perhaps first among these might be mentioned the administration of the Industrial Disjertes Investigation Act—the "Lemieux Act" as it is commonly called. This is sure was pred in 1907 and was an outgrowth of the department's practical experience. The ring with labe of disputes. Briefly it provides that a threatened strike, in the case of an inch. In whose he-up would seriously affect the public welture, must be referred to a board of concile centang anyestigation. Up to the present over 160 of these boards have been appointed. It will cases be seen that their regulation, affecting as it frequently does many thousands of men and financial interests that run into the millions, calls for the use of the utmost tact and discretion. The deputy minister of the department, Mr. F. A. Acland, is also registrar of these boards and his long experience in the handling of the many delicate questions that come up in this connection is one of the chief assets of the department.



FREDERICK ALBERT ACLAND DEPUTY MINISTER OF LABOUR

the Fair Wages branch of the department has greatly increased the score of its work since Originally in charge of the well-known labour leaders, Mr. D. J. O'Donolea, and Mr. Victor DuBreuil at now numbers five officers namely, Messers DuBreuil McNiven Compton, Killins and Hoed, Mr. McNiven being stationed at Vancouver, B.C., and Mr. Hood at Winnipeg. The whole branch is more particularly in charge of Mr. Gerald Brown, the assertant a pury

From the original Labour Carette has been built up the statistical branch of the department now a charge of Mr. R. H. Coats. Mr. Coats. known more intimately among the members of the service for last unremitting display of espect decorps in all that contribute to the making of an ideal civil service. The duty of this branch is to provide information on the about problem and to arous plases throughout Canada. The Labour Guzette has been gready improved both in size and quality from its original form. In it are to be found periodical reviews of the state of the labour market in the leading Car. dain centres, tables relating so current strikes and lockouts, wages, accidents, logal decisions are leter. The branch is at the moment before the public is the leading authority on process and cost or hying in Canada, its Index Numberoft Priess (egin in 1909 being one of the best in to world. For over a year past the branch hosein working on a similar in estigation covering wiges. Among the duties performed on the staff of this branch is complete as the priess and cost of bring staffs its energy frequency and the collection of the tree, cling industrial accidents. A staff of fitty-five correspondent of the priess of the priess and cost of bring staffs of fitty-five correspondents. spondents throughout the Dominion furnish the local data for the branch

Mr. Frank Plant of the circulation breach, is the compiler of a very valuable annual report on labour organizations in Canad.

Ever such its inception the department less been collecting books and pumph'ets bearing on industrial and consume problems and the library has now reached considerable proportions

Altogether to department less a rost interesting field and is covering it in a manner to it compares well with these of office countries. If his not yet attribed to the size of the similar departments in the United States and in the older and larger conatries of Europe, but it is growing rapidly, and in a manner consistent with proper organization and the sure overtiking of its manifold opportunities of rendering service.

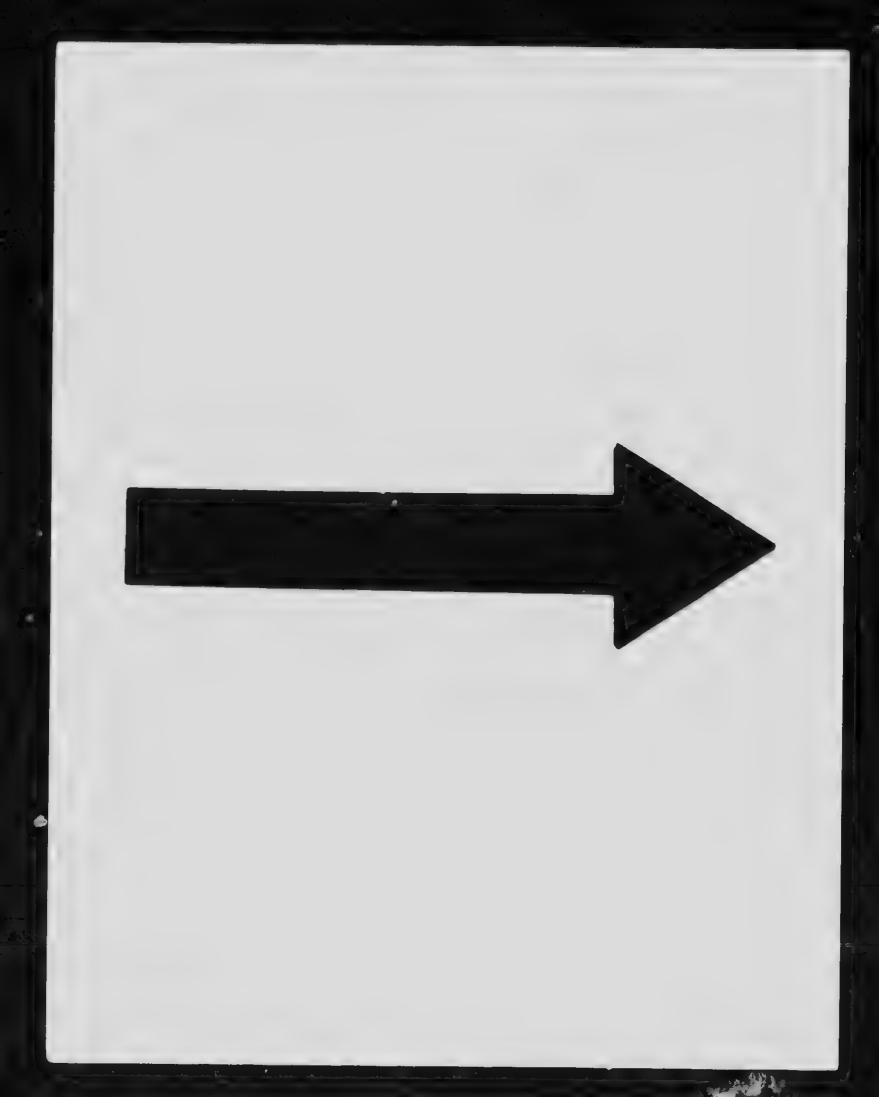
## Department of Public Printing and Stationery

The Department of Public Printing and Stationery was organized by Act of Parliament in 1886, but did not Legin actual practical operations until July 1st, 1888, and it was not until the close of the year 1889 that the Printing Bureau was under tull operation in its own building. The department, since its organization,

has been under the control of the Secretary of State.

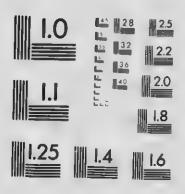
The position of King's for Queen's: Printer is an old and nonoured one. In England, about the year 1500, Richard Pynson was appointed Royal Printer, and the office has existed ever since. Nearly every country has followed Eng and s lead and now has its own Government Printing Bureau. The office of Queen's Printer was first created in Canada, in 1869, by the appointment of Col. Chamberlin to be "Printer to the Queen's Most Excellent Majesty." Col. Chamberlin was succeeded in 1891, by S. E. Dawson, Lit D., of Montreal. Dr. Dawson held the office until 1908, when he resigned owing to ill health, and C. H. Parmelec, proprietor of the Waterloo, Que., Adicitiser, was appointed King's Printer and filled the position until his

He died in January, 1914, and Joseph de la B. Taché, of the Courier, St. Hyacinthe, Que., has been appointed to succeed him. Mr. Taché has had a long and varied experience in the printing business, and comes to the department with a reputation as a hard worker, and as the possessor of good executive ability at the which the duties of his new position will give him



#### MICROCOPY RESOLUTION TEST CHART

ANSI and ISO TEST CHART No 2





#### APPLIED IMAGE INC



THE LATE CHARLES H. PARMELEE

While space forbids a description of the versatile qualities of each official printer to the crown, it can be said that Canada has been extremely fortunate in securing the services of such able men. The King's Printer, as Deputy Minister of the Department of Public Printing and Stationery, is charged with the successful working of the institution, he is per onally responsible for the correct and regular publication of the statutes as passed by Parliament at each session, of the Canada Gazette, and of all official communications from the Head of the Executive to the general public. Prior to 1888, the public printing was done under concract; but as the requirements of the government increased, it was found that the only way to have the work executed in a satisfactory manner was to establish an official printing bureau. This was done, but the building erected was too small, and the business has been carried on ever since under great disadvantages. The volume of public printing has increased many fold since then, and although an addition has been made to the building, it is far too small for the work which has to be done at present. Only by the introduction of labour-saving machinery has it been possible to cope with a large share of the work, the balance being done by outside printers. With the erection of a new building providing sufficient accommodation, the bureau will be able to give better service and satisfaction to the government and the public.

The gradual growth of the printing and stationery business of the government may be largely attributed to the evils of the contract system. Among the evils of the contract system were found—

- 1. The tendering, under stress of competition, at prices not renunerative for really good work.
- 2. The consequent endeavour, almost always attended with success, to secure the acceptance of inferior work.
- The attempt, in order to execute the work cheaply, to do it with insufficient plant or labour, leading to delays in the public service.
- 4. The attempt, by indirect methods, to make unprofitable work profitable, or to keep back portions of work which are unprofitable and secure a greater portion of that which is profitable.

A glance at the files containing some of the contract work, and a comparison made with the work turned out by the Bureau, shows the great inferiority of the former system. In fact, the best contract work would not be accepted by any department from the Printing Bureau. As a matter of fact, the work turned out by the Bureau will compare very favourably with that of any other government or private institution. As the Bureau is forbidden by law to do any private work, its whole energy is devoted to turning out the government work on time and in first-class order.

In connection with the records and debates of the House of Commons and Senate, the Canadian Parliament receives far better service than any other Parliament in the world, not excepting our progressive neighbours to the south. The complete records of each sitting as well as the Orders of the Day for the next one (in English and French) are placed on the members' desks before ten o'clock the following morning: the Hansard (so called after the first printers to the House of Commons of the United Kingdom) is also delivered at ten o'clock, and is followed twenty-four hours later by the French edition.

Between sessions of Parliament the Bureau is engaged on miscellaneous work for the government, which includes many special and important publications in the public interest, as well as getting the annual reports ready for presentation to Parliament. Many of these are ready and distributed to members of Parliament and the public some time in advance, which enables the members to study them and be ready for work as soon as the session opens.

During a general election the value of a government office is manifested, for there are thousands of different forms, poll books, ballots, voters' lists, etc., to be printed. The blank ballots (with space left for the names of the candidates) are all printed at the Bureau on a special water-marked paper, and distributed to the various returning officers. The printing of the voters' lists alone would tax the capacity of a dozen of the largest offices in Canada, and yet an election has never been delayed owing to the lists not being ready, although at times the Bureau has had to work night and day for months in order to have them ready.

Comparing the cost of printing done at the Bureau with what would be charged by contractors, a conservative estimate of the saving would be at least 25 per cent in favour of the Bureau, or an annual saving of \$300,000. The first Dominion voters' list was printed by local printers all over the country and cost \$180,000, while the second one, done at the Bureau, cost \$72,000, a single saving to the country through the establishment of the Bureau, of \$108,000.

The total expenditure for wages and for printing and binding materials amounts to \$1,250,000 a year. The cash clearances last year increased by \$700,000 and now total nearly \$5,000,000.

Printing for the Intercolonial and Prince Edward Island railways, the accounts for which are audited by the Bureau before payment, amounts to over \$100,000 per annum. Newspaper advertising shows the enormous expansion of the business of the country, it having increased from \$12,500 in 1875 to over \$165,000 last year. Not only is the number of publications issued from the Bureau increasing, but, owing to the larger population, the number of copies printed is increasing. The amount of paper used is a fair indication of the amount of work done and this has increased over four fold in the last few years. The Stationery branch carries a stock of all such supplies as are used by the government offices, and this requires careful purchasing and handling in order to secure the best results. Last year the cost of the scationery materials supplied to the different departments and to Parliament amounted to about \$800,000.

Among the various functions and operations of the Bureau, the following may be of interest: All the embossed letter heads and envelopes for the Governor General and the different ministers and departments are done at the Bureau. The post-office stamped envelopes are also made and embossed, and number about 8,000,000 a year.

Outside of newspaper offices. he Bureau was the first office to use typesetting machines.

In the composing div sions, there are, besides the hand compositors, 32 linotypes (including the first one built in Canada, and which was exhibited at the important exhibitions in 1891), and 13 monotypes.

In the press-room divisions there are 40 presses, including the most modern fast-perfecting and automatic high-speed presses, some of them running as high as 15.000 impressions an hour.

Of millboard (used in making covers for books) over 100,000 pounds is used annually.

If the paper consumed in one year by the Bureau were made into a strip one yard wide it would encircle the earth.

The maps of Canada and many plans are engraved on copper plates at the Bureau, and these are continually being corrected and brought up to date.

A single edition of the annual report of the Experimental farms consumes over 400 tons of paper.

There are about 35,000 different jobs and publications turned out annually by the Bureau. The total number of people employed at the Bureau is 1,020.

# Department of Public Archives

The word "archives" is generally associated with dry and musty parchment. Yet the work of an archivist may be called the romance of collecting romances. In Canada's Archives building are stored the silent witnesses of the past achievements of a people as an inspiriting

incentive to future effort. Here may be found tales of the aboriginal Indian tribes and of their merciless contests with the oncoming Latin and Saxon invaders. Here may be found tales of the appetuous adventures of the explorers from the time of Eric the Red to that of Valhjalmur Stetanson, who, at the time of this writing, is imprisoned in the frozen seas of Canada's northern waters. Here may be found tales of the hardships and privations endured by the pioneer settlers, to instil into the Canadian mind the victories of the simple life of those voluntary and heroic exiles in the lonely places. In the Canadian Archives there is deposited

that fund of historic lore that will in future ages afford the theme for the "storied urn, the animated bust," for the music, the art and the literature of a great race.

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A visitor to the Public Archives will find a tablet at the entrance conveying the information that an Archives building was proposed by the Intendant Hocouart as early as 1731; and another tablet, recording the fact that the first Archives building was creeted in 1906.

Lord Dorchester had in 1787 directed his efforts towards the centralization of public records; but it was not until 1872 that a systematic organization of a Federal collection was begun. In that year a petition was presented to Parliament signed by a large number of prominent men, setting forth that literary inquirers were placed at a great disadvantage in Canada when compared with similar classes in the United States and in Europe.

The government of the day complied with the request of the petitioners to the extent of voting a small sum of money for the purpose of making a preliminary enquiry into the extent and state of preservation of public records and official documents, and appointed Dr. Brymner as first D minion Archivist.

During the two years following. Dr. Brymner instituted research in Canada and in Great Britain and in 1874, the field of enquiry was extended to the Contment. After this preliminary survey, the first efforts to concentrate records began.

There are three sources of information from which historical material can be obtained, first, Canada; secondly, the United States; and thirdly, Europe, but the task of drawing on these sources is often attended with difficulty. The records of Canada for the first one hundred and fifty years after the foundation of Quebec are chiefly in France. Patient research has been necessary to separate from the vast collections of papers relating to the colonies of France, those that chiefly concern Canada or New France.

In Capada there have been many changes in the seat of government and for a long time the records followed the seat of government. Matters were further complicated at Confederation, when certain classes of papers were retained by the provinces, while others were placed in the custody of the Dominion government. Frequent fires in the provinces and in the capital have destroyed many valuable records, while others have suffered from dam — 4 other agencies for want of proper protection.

The annual reports of the Archives branch from 1872 to 1902 contain calendars of the documents collected and summaries of those which were examined after being copied in England and in France.

In 1902, Dr. Brymner died, and by his death students of Canadian history lost a faithful guide and friend who succeeded in part in fulfilling the request of the petitioners of 1872.

In 1904, Dr. Brymner by the Hon. Mr. Fisher t and for the removal of a larger number of documents from the departments. The first report of Dr. Doughty was made in 1904 in which he outlined the policy which has since been pursued. Emphasis was laid on the increasing importance of original documents in view of the change that has taken place in the writing of history.

The growth of a national feeling in Canada and the activity manifested by the people of the United States in collecting everything that concerns the history of this continent has created a new interest in the lives of the Canadian people and a desire for a higher order of historical literature. The larger demands made on the writers of history have imposed new obligations on the state to aquire and render accessible to the student all documents which illustrate the development of Canadian institutions. A systematic examination of records in the Dominion is being made and representatives of the Archives charged with this work are employed in the province of Quebec, in the Maritime provinces, in Ontario and in the West. In Europe, the work of investigation is under the direction of Mr. Biggar, who has a staff of assistants at his disposal.

In 1912, the Archives branch was transferred to the Privy Council, but during the same year an Order in Council was passed, placing it under the direction of the Secretary of State.

In 1913, the Act was amended and the public archives became a distinct institution, the responsible minister being the Secretary of State.

The process of photography renders valuable assistance in the work of transcription. Search is made by the student, and instead of having to make a laborious transcription, a photographic instrument on the premises furnishes copies of original manuscripts, etc. This instrument is capable of making 300 reproductions in a day. Thus, students are enabled to obtain copies of manuscripts with accuracy and expedition.

# Commission of Conservation, Canada

As February, 1909, Canada joined the United States and Mexico in a North American conference at Washington. The conference formulated a Deel aution of Principles upon which the subsequent conservation movement has been based.

Later, a Bill providing for the appointment of a Commission of Conservation was introduced into the House of Commons, and, after a brief discussion, which demonstrated that it was very favourably regarded by both parties, passed both Houses of Parliament. It provided for the appointment of twenty members, appointed by the Governor in Council, and twelve ex-officio members, viz., the Ministers of Agriculture, Interior, and Mines, of the Dominion government, and the Minister of Lands in each provincial government. It also provided for representation of universities. On the organization of the Commission in 1909, the Honouruble Clifford Sifton was appointed chairman and Mr. James White, secretary. In 1913 Mr. White was promoted to assistant to the chairman with rank of deputy head.

The Act further provides that the commissioners shall not receive any fees or emoluments but shall be repaid their actual disbursements for travelling expenses while attending to the work of the Commission. The Commission was organized in January, 1910, and seven Committees were appointed, viz. 1. Fisheries, Game and Fur-bearing Animals. 2. Forests, 3. Lands, 4. Minerals, 5. Public Health, 6. Waters and Water powers, 7. Press and Co-operating Organizations.

These committees have since from time to time, made recommendations to the governments interested. The Commission is purely an advisory body and the responsibility for accepting or rejecting its recommendations must rest upon the government to which they are made. Theoretically, the domain of the Federal government and of the provinces is definitely apportioned, but, in practice, it sometimes happens that there is a conflict of jurisdiction, and there is a large and important field open to the Commission in endeavouring to reconcile, in the interests of the body policy the conflicting claims.

Experts in the various natural resources have been appointed and have since devoted their attention to study of he has solds of conserving them and in compiling material for an inventory of "

In responding to the second the success has in a number of instances, been due the fluence of Canada.

he work of these committees reference car be made only to their it snould be explained that success has, in a number of instances, without their insulation, the Commission have thrown their insulated was advocating action that was in the best interests.

tenance by the railways are-fighting staff and patrols. It also places upon the railways the burden of proof of non-negligence. Representations have also been made to the various provinces urging similar action by them respecting provincially chartered lines—either with success or with a strong probability that such legislation will be enacted at an early date.

The establishment of the Rocky Mountain Forest Reserve, nearly 500 miles long, 50 miles wide and including an area of 16,000,000 acres.

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Investigations have been carried on to determine our forest resources, and studies of rate of growth, reproduction, etc., are now under way.

is connection with the water-power work, an investigation of the water-powers of British Columbia and the prairie provinces has been carried on.

The principle of leasing water-powers for a definite period on condition of prompt development and compensation to the crown and control of rates, has been adopted for powers in Onfario, Manitaba, Alberta, Saskatchewan, and, in a modified form in British Columbia. Representations have been made to the other provinces and they will probably introduce similar legislation.

The proposition to dam the Long Sault rapids of the St. Lawrence and the application for certain water-power charters have been opposed by the Commission

An investigation is in progres to endeavour to ascertain whether (2) around lands are being depleted of the elements of fertility or are being improved in that (espect) whether weeds and other pests are becoming more or less prevalent. Information is being collected respecting the areas devoted to particular crops, also respecting the character of the natural fertilizers that are available and the extent of that use.

Thirty-four Illustration Farms have been established at various points throughout southern. Canada, the basis idea being to "take the farm to the farmer" and to demonstrate that any enthusiastic agriculturist can, at slightly increased cost, obtain much greater returns, provided only that he adopts methods recommended by the agriculturists of the Commission.

A compilation of statistics of the known mineral resources of Canada has been undertaken Afl metallurgical processes will be studied with a view to securing the adoption of such of these processes as will tend to a more economical freatment of our ones. Special attention has been given to our coal and natural gas resources. The leasing system has been adopted for the coal lands in Nova Scotia, Manitoba, Saskatchewan and Alberta, and the Commission is urging that it be adopted in the other coal-producing provinces.

Special attention has been given to fur-farming. A report thereon has given a decided stimulus to the fur-farming business and has created much interest in the subject. A study is been made of the fish and game regulations in force in each province; of the conflict of jurisdiction between the Dominion and the provinces; of the fisheries and measures for their protection and culture, and of the culture of oysters and lobsters.

It is hoped that a convention between Great Britain and the United States will give international protection to migratory birds and that the wholesale slaughter that has externmated some birds, such as the wild pigeon, and reduced many offers to a mere fraction of their former numbers, will be stopped.

Legislation has been recommended respecting measures to prevent the pollution of streams by sewage, mill wastes, etc., and it is probable dut it will be passed this winter.

Other public health subjects that have received attention are: 1. Tuberculosis. 2. Harmonising public health laws. 3. International and interprovincial quarantine. 4. Water supply of each municipality. 5. Infantile paralysis. 6. Housing question., 7. Slum conditions in principal cities.

In connection with the housing question, the Commission of Conservation has invited the National City Planning Congress to meet in Canada in May next.

The Press committee is charged with the publication of all reports and of the monthly paper Conservation: the work of the other committees being made a basis for an active propaganda to arouse and educate public sentiment along the lines that careful investigation dictates.

The paper Conscretion—published by the Commission, contains short, pithy items that appeal to the editor who may be in need of good copy. They cover every phase of human activity and all preach the same lesson, viz., the maximum of result for the minimum of effort or cost.

The field that the Commission has to cover is an enormous one and the chances of steuring the adoption of its recommendations will be in exact proportion to their ability to stand criticism.



ADAM SHORFT
Civil Service Commissioner

If they are in the future as they have been in the past carefully thought our recommendations, the force of public opinion will be behind them and will ensure their adoption and with the passing of each year, the Commission will occupy an increasingly powerful position. It is a non-political or more properly speaking, a bi-pointeral body, which guarantees that their will not be any tinge of political partisanship in its findings, including in its composition both 6 deral and provincial representatives, it occupies a unique position which enables it to do much to allay the friction and compose the differences that may arise respecting Dominion reisus provincial jurisdiction.

In connection with the examination of private legislation applying for grants of valuable tranchises, water-powers etc., there is an enormously important field for this non-partisan Commission, particularly as the average member of Parliament has neither the time nor the facilities for making the -xamination himself.

Every thinking man in Canada has long been impressed with the extreme desirability of some method whereby he could give expression to his advocacy of, or opposation to, many things that he felt would be in, or opposed to, the interests of his country, but, on the other hand, held his ocace because of his conviction that his would be the voice of one crying in the wilderness. Now a voice has been provided and many thoughtful communications and valuable suggestions that will form the basis of future examinations and inquiry, have been received.

Though, in its inception, the establishment of the Commission was an enormous advance, its members have been both suprised and gratified by the almost universal approval and good wishes that have been showered upon it and its work by their fellow Canadians.

#### Civil Service Commission

The regulation of appointments to and promotions in the civil service of Canada, has been a problem with successive governments during the whole forty-seven years of the Dominion's history. Several ambitious attempts have been made to permanently dispose of the difficulty.

but none have proved to be thoroughly successful. It is, however, gratitying to observe that each successive effort has gone a step farther towards divorcing the service from political control, and bringing the "merit system" into effect.

At Confederation appointments may be said to have been altogether pole cal. In 1868 the first Civil Service Act provided a method of procedure which seems to have been merely the 'valizing of the political system. A candidate for employment was nominated by the min, ster to whose staff he was to belong. He was appointed by Order-m-Council, and such examinations as were provided for were in the hands of the fourteen deputy heads, who constituted a "Civil Service Board." The officers of that rank in 1868 were the Deputy Ministers of Justice, Militia, Public Works, Agriculture, and Marine and Fisheries, the Clerk of the Privy Council, the Deputy Postmaster General, the Commissioner of Customs, the Commissioner of Inland Revenue, the Auditor General, the Deputy Receiver General, the Deputy Inspector General, the Under Secretary of State for Canada, and the Under Secretary of State for the

There were so many general exceptions to the provisions of the Act and so many superior officials were exempt from its operations that it appears to have been intended to apply to only the inferior ranks of the service. Departures from the regulations were freely provided for, and the only requirement was that such variations should be reported to Council or to Pachament.

Fourteen years of experience must have disgusted statesmen with the effect on public business of this frankly partizan system. In 1882 Parliament tackled the problem again and passed an Act providing for several important innovations, and for methods of procedure more suited to the arcumstances of growth and development by which the expansion of the Dominion was reflected in the service, than those which had theretofore prevailed. The most notable change in respect to the subject of this article was the establishment of the Board of Civil Service Exminers.



MICHEL G. LAROCHLLIT CIVIL STRVICE COMMISS CO.

This body was composed of three metalwhose duty it was to examine into and report upon the educational qualifications of all can are sor appointment and promotion. The original trio were. A. D. DeCelles, fibrarian of arliament, John Thorburn, fibrarian of the Geological Survey; and Peter LeSueur, formerly secretary of the Post Office Department. Millershear also acted as secretary of the board.

As might be expected from the high character of its personnei, the board took its duties very seriously and did all in its power to raise the standard of the Canadian civil service. On the death of Mr. LeSueur in 1895 John Waters, of the Department of the Secretary of State, was made secretary of the board, but the position of examiner remained vacant for a time owing to the first appointed being unable (owing, it is said to political obstructions to accept the place In 1896 the government made a new selection, and Dr. J. C. Glashan, inspector of schools in Ottawa city, became a member of the board. In the same year, William Foran succeeded Mr. Waters as secretary.

Until 1908 this board continued to discharge all the duties entrusted to it by law, but during the later years of its existence it became more and more apparent that its power of control over the service was altogether too restricted. It duly examined all candidates who came better it but thousands of appointments and promotions were made over which it had no control Many things were done "notwithstanding anything to the contrary in the Civil Service Act" and a great body of "temporary" clerks came into existence. These "temporaries" had just as steady employment as the "permanent" staff and the contradiction between their designation and their actual condition was a fair illustration of the anomalies, that existed throughout the service.

In the memorable year 1908, Pa. Jiament again took the whole matter under consideration and passed a "Civil Service Amendment Act" of the most radical character. Chief among the changes in administrative arrangements was the creation of the Board of Civil Service Commissioners. This board of two members was so hedged about with safeguard so secured from political interference that the position of Civil Service Commissioner was made as unpregnable as that of Auditor General or Justice of the Superior Courts.

The newly created commissionerships were filled by the appointment of Adam Shortt formerly professor in Queen's University, and Michel G. LaRochelle, a King's Counsel of the city of Montreal. The members of the old board of examiners were provided for in like capacities under the new regime, and Wm. Foran was retained as secretary. In 1912 Parliament provided for a third commissioner, but, after two years, the position still remains vacant.

The normal duties of the Civil Service Commission are to to and pass upon the enablications of candidates for admission to and promotion in the service. It may also, of its own initiative, investigate and report upon the operations and the violations of the Civil Service Acts and regulations. Moreover, it may be requested by the proper authority to investigate and report upon any departmental matter, or to discharge any other duty that may be assigned to it.

The a general way, the certificates of qualification for appointments to clerkships are issued by the commission after competitive examinations which are held semi-annually, through examiners usually recruited from the staffs of the universities. However, in regard to appointments of a professional or technical nature, either competitive or non-competitive, there is, as a rule, no actual test, either written, oral or practical. The certificates of qualification are, in such cases, based on the records of the candidates as escablished by their own statements, their diplomas and testimonials; the chiefs of the interested professional or technical branes being requested by the Commission to pass upon these elements of information, and to report on the relative merit of the candidates. So far as promotions are concerned, there is no actual examination of the candidates, except in the case of promotion from the Third to the Second division. Otherwise they are based upon the information furnished to the Commission by the departmental officers.

The semi-annual and certain special examinations are held at a number of different centres throughout Canada, giving candidates in all parts of the Dominion opportunity to compete without incurring heavy travelling expenses. Examinations have been held at Victoria Vancouver and Nel-on, B.C.; Edmonton and Calgary, Alberta; Moosejaw, Saskatoou and Regina,

Sask.; Brandon and Winnipeg, Man.; Port Arthur, Windsor, Lindsay, Peterborough, Sault Ste. Marie, London, Hamilton, Toronto, Kingston and Ottawa, Ont., Montreal, Berthier, Sherbrooke, Rimouski and Quebec, Que.; St. John and Moneton, N.B., Halitax, Sydex, and Yarmouth, N.S.; and Charlottetown, P.E.I.

The Commission year commences September 1, the date in 1908 when it, and the law under which it operates, took control of the civil service. During the year 1911-12, the latest for which a report is available, nearly twelve hundred persons were examined under one or other of the provisions of the Act and regulations, for appointment or promotion. Such a volume of work has necessitated the organization of staff at the headquarters of the Commission including besides clerical officers, a confidential printer, with printing office equipment. For the printing of examination papers,

By the Act of 1908, the whole body of "temporary" clerks was added to the permanent staff and the "temporary" farce was abolished. The civil service, by action of the Commission and the Privy Council, has been put under a set of rules and regulations that establish an educational standard for appointment and promotion far higher then any previously attempted. Yet the Act was not a perfect measure in the eyes of the civil servants, the Commissioners of the Government, and the demand for certain further amendments has never ceased. Whatever may be done in the attempt to satisfy such demands, it is certain that the Civil Service Commission is an established feature of administration and that through it the movement to—

's a genuine "merit system" must find means to the much desired end.

# Number of Officials in the Civil Service of Canada Contributing to the Superannuation and Retirement Fund from 1892 to 1913 and the Total Salaries Paid

	1.711	BUR OF OFF	ICIALS	Total Number	\\	NUAL SALARI	Es	1 > 4
	Fig. 1 N	Superior nucleon I Fund No. 2	Retirement Fund	of Officials	Supermination Find No. 1	Superanouation Find No. 2	Retirement Ford	Annu
1802 1893 (894 1895 1896 1897 1898 1899 1900 1901 1903 1904 1905 1906 1907 1908 1909 1910	4.236 4.158 4.016 3.879 3.680 3.417 3.150 2.984 2.864 2.747 2.540 2.396 2.176 2.100 1.968 1.723 1.652	74 186 310 429 440 399 382 369 365 355 337 324 309 300 294 295	191 348 673 999 1,104 1,382 1,407 2,213 2,456 2,768 3,438 5,521 5,982	1.236 4.229 4.202 4.189 4.109 3.857 3.740 3.724 3.919 4.115 4.099 4.133 4.120 4.636 4.780 5.536 7.538 7.929	83,563,803 3,515,181 3,429,505 3,300,049 3,110,925 2,897,594 2,807,024 2,739,420 2,671,820 2,523,061 2,476,310 2,325,704 2,304,589 2,206,483 2,315,497 2,198,366 2,182,018 2,210,312	\$36,722 93,932 159,246 237,040 261,083 248,954 257,900 265,240 273,774 282,078 274,546 309,090 293,217 321,345 321,486 323,583 348,453 367,257	8130.145 220,595 378,653 599,248 744,535 901,554 1,317,397 1,664,021 1,899,179 2,145,986 2,626,513 4,775,838	\$3,537,283 3,600,525 3,609,143 3,588,751 3,537,059 3,372,008 3,276,693 3,285,519 3,445,313 3,544,851 3,549,674 3,632,410 3,952,191 4,261,827 4,517,007 4,782,969 5,148,462 7,306,309
1911 1912 1913	1.653 1.499 1,367	286 272 259	6,391 7,798 8,967	8,330 9,569 10,593	2,363,003 2,209,445 2,040,070	381,340 374,422 391,043	5.647,515 $6.091,876$ $7.300,911$ $9,209,698$	8,225,085 8,836,220 9,884,779 11,640,813

# Census of the Service, and Acts creating Departments

SERVANTS OF THE CROWN

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### Problems and Solutions

Many years ago Democracy demolished the autocratic tyrant and ascended the throne of liberty. Under autocracy the service of the State was at once the slave and the plaything of the tyrant. Under democracy, an ideal, or at least a more perfect condition of affairs was anticipated. Under free institutions justice and equality of opportunity were to be the reigning derties of a new era of universal happiness.

The present task is confined to a discussion of the success of these pleasant anticipations in regard to service under the Crown. How has public service flourished under the present

system of free institutions, so called?

In the employment of labour in the ordinary markets of the world, there are, in the course of human nature, many features which present apparent violations of those ideals upon which justice and equality are founded. An employer evinces an inclination towards one of his staff and gives his favourite place and precedence above all others. This preference may have no firmer foundation than a personal temperament or a pleasing address or upon mutual associations in social life. This is inevitable for the poor sovereign of the dark continent of motive and desire plays have with the rules of equity. Life in the Civil Service is subject to all these idiosyncratic ills of the human temperament. Would that this were the worst! Unfortunately life in the Civil Service suffers from a blight unknown in other classes of employment.

Under democracy the gifts of public office became the prey of the party system. Each political party, as it in turn assumed the reins of power, gave away, with lavish prodigality, the prizes of public office to its favourites and supporters, so that since autocracy was overthrown, as well as before that time, the practice of distributing the donatives of public office has dominated the government service and marred its efficiency. A realization of the errors of the system has from time to time obtruded itself upon the minds of great democratic leaders and some attempts have been made to neutralize its ill effects. But so long as there is a possibility of using the service for political purposes, and so long as man is susceptible to temptation, just so long, and to such an extent will civil service be under bondage to patronage and inefficiency.

The experiment on the part of politicians themselves to cure the ills of patronage has resulted in the formation of independent commissions for the purpose of supervising appointments and promotions of servants of the Crown in portions of the Canadiun service. The attempt, laudable in the highest degree as an illustration of the high theoretical purposes of our ruling politicians, has not yet been wholly successful. Such progress as has been made must be accepted, by all well wishers of liberty and justice, as a trend towards higher appreciations of national credit in elections and the elevation of public service upon the high plane of efficacy and honour.

There is a second problem of state, under which civil servants labour and are heavy laden, in the restrictions placed upon them in regard 'o civil rights. An employee entering into an agreement with a private employer may, in case his contract is violated, enter an action in the courts. But this right is denied to servants of the Crown. In this regard democracy may be, if it so desires just as tyrannical as the worst form of autocracy. In order to repair this error and to promote justice and efficiency, civil servants are calling upon their government to establish boards of appeal, and indeed such a board has already been established in one advanced democratic country within the British Empire. The form of this court of appeal it is not the present purpose to discuss. It may be composed of representatives of the employer and the employee with a third party as arbiter, or perhaps, better still a judge of the Supreme or Superior Courts might be deputed by the government to hear and adjudicate upon all cases of appeal brought before him by members of the government service.

Besides the problems involved in patronage, appointments, promotions and civil rights, as already referred to, there are important matters, which nothing but a greater intelligence

and far wider sympathies on the part of the ruling power, sitting in the seat of the Caesars, can ever hope to elucidate or amend.

The public service of Canada is composed of some 40,000 persons. These 40,000 persons are, as to their duties, under the control of sixteen different ministers, administering as many different departments. As political machinery is constituted in Canada, ministers of the Crown have duties so absorbing, so ramified, so charged with the care of political advantage and departmental details, that little or no time can be spared for that scientific study, so essential to the well-being and well-doing of such a great organization. There is moreover an absence of any attempt at co-ordination, of the similar, as well as the various interests operating under the many departments of the Crown. As a consequence of this lack, either in whole or in part, of supervision of a great staff, a lack that is unavoidable under the present state of ministerial responsibility, the Canadian service suffers from a multitude of ills. There are the apparently incongrous elements overmanning and under paying. The service rendered is costing too much, and there are too many people engaged in the performance. There are duplications of work by different departments. "Each department is a little kingdom in itself" said a prominent minister on one occasion; and so it is that one minister does not know what is being done in the department of his colleague, except in a very general way. The most outstanding instance of the danger of waste and duplication on account of this absence of co-ordination is apparent in the case of the engineering works of the Canadian public departments. These engineering wor' are conducted by three different departments. Public Works, Railways and Canals, and atome and Fisheries. It is calculated that the combination of these services under one department would save millions of money to the people.

For these and similar reasons, it is now the purpose of the authors of this work to take the present opportunity to place before the people of Canada, whose money and property are at stake, a policy that will, if adopted by the government, bring about the long desired retrenchment and reform. It is our belief that if the policy we are about to promulgate, were put into force, the need of the annual memorials and petitions of civil servants would become as unnecessary as the numerous civil service commissions of investigation.

The first part of the proposal is that the government do appoint a Civil Service Menister with an exclusive commission to study, day by day, the multifarious problems involved in the management of an army of employees and the relations of that army to particular duties and employment.

It is safe to say, and the editors of the Cavillan take not too grievous a responsibility upon their shoulders in declaring, on behalf of the whole service that this is the sine qual non of civil service reform. The Honourable L. P. Pelletier, administering the greatest public utility in the Dominion of Canada studied the conditions existing among the thousands in his department. As a result he has transformed a dingy swamp into a pleasant garden. Yet, through lack of interest in the personnel of this great staff, the spirit in portions of the postal service might justly have been termed rebellious. This efficient and humane minister came saw and conquered. He ordered an improved classification, raised the poverty scale of remuneration to something nearer a living wage, and he took the annual increases out of politics by making them statutory. Pages could be filled in narration of the result of his intensive study of the lives and duties of the men who toil to do his work.

The Minister of Finance is another all too rare instance of a minister appreciating the importance of intensive study of the civil service machine. Burdened with a confusion of diverse and complicated duties, the common lot of all Finance Ministers, the Honourable Mr. White has taken up gratuitously the strengous task of inspecting at close range the whole field within the civil service horizon.

Judging from the records of the past, it may justly be feared that these efforts, the very of and marrow of the secret of the success of civil service institutions, may be spasmodic ather than permanent. It is therefore just, logical and becoming that the voice of Canadian (vil servants should call upon the government of the day for the appointment of a permanent (vil service minister, endowed with the machinery and the power to re-organize and to continue (v) by day to re-organize the daily increasing army of Canadian civil servance.

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il rights, elligence Intimately allied to the foregoing suggestion is the second proposal advocated, viz.:—that the said civil service minister call upon the Civil Service Federation, upon its sub-committees, and upon its score of affiliated societies throughout the Dominion, to supply that reliable and unbiased evidence, without which human judgment must fall into mis-apprehension. Those of us who have seen the contingents of men attending the conventions of the Civil Service Federation since the inception of that body, will acclaim their loyalty and moderation, their patience and cheerfulness under all discouragements. This fine body of men can be depended upon to speak, not for themselves or for their personal advantage, but rather in support of the ordination of a new livery for the national service, in which no true Canadian may be ashaned to be attired.

The last word of Civil Service is,— an intelligent, unremitting study of the service by a minister chosen for that exclusive task, and sympathetic confiding relations on his part with the Civil Service Federation of Canada.

# The Chief Officers of the Public Service of Canada

CLERKS OF THE KING'S PRIVY COUNCIL	UNDLR SECRETARIES OF STATE FOR
FOR CANADA	CANADA
William Henry Lee July 1, 1867 William Alfred Himsworth. July 2, 1872 Joseph Olivier Cote Jan. 13, 1880 John Joseph McGee. May 20, 1882 Rodolphe Boudreau. May 9, 1907	Etienne Parent.         May 29, 1863           Edouard Joseph Langevin.         July 9, 1873           Grant Powell.         Jan 25, 1883           Ludger Aime Catellier.         Dec. 1, 1889           Joseph Pope, C.M.G.         May 1, 1896           Thomas Mulvey, K.C.         June 1, 1909
AUDITORS GENERAL	DEPUTIES OF THE REGISTRAR GENERAL
John Langton         May 29, 1868           John Lorn McDougall         Aug. 2, 1878           John Fraser, I.S.O         Aug. 1, 1905	Date of appointment Edouard Joseph Langevin. July 1, 1868 Ludger Aime Catellier. July 10, 1873
DEPUTIES OF THE MINISTER OF JUSTICE	UNDER SECRETARY OF STATE FOR EXTERNAL AFFAIRS
Hewitt Bernard, C.M.G., Q.C May 29, 1868 Zebulon Aiton Lash, Q.C Sept. 1, 1876 George Wheeloek Burbidge, Q.C May 23, 1882 Robert Sedgewick, Q.C Feb. 25, 1888 Edmund Leslie Newcombe, C.M.G.	Sir Joseph Pope, K.C.M.G., C.V.O., I.S.O June 1, 1909
K.C., M.A., LL.BMar. 13, 1893	DEPUTIES OF THE MINISTER OF CUSTOMS (Called "Commissioners")
CLERKS OF THE SENATE	Robert Shore Milnes Bouchette May 29, 1868
John Fennings Taylor, Sr. Nov. 2, 1867 Robert Le Moine and 28, 1871 Edouard Joseph Langevin Jan. 25, 1883 Samuel Edouard St. Onge Chapleau Jan. 25, 1900	James Johnson
CLERKS OF THE HOUSE OF COMMONS	DEPUTIES OF THE MINISTER OF THE
William Burns Lindsay	INTERIOR
Sir John George Bourinot, K.C.M.G	Edmund Allen Meredith July 1, 1873 William Buckingham Oet. 8, 1878
Thomas Barnard Flint, M.A., LL.B., D.C.LNov. 11, 1902	LtCol. John Stoughton Dennis, C.M.G. Nov. 14, 1878

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Lindsay Russell	Depends
DEPUTIES OF THE POSTMASTER GENERAL William Henry Griffin	DEPUTY MINISTER AND COMPTROLLER OF DEPARTMENT OF NAVAL AFFAIRS George Joseph Desbarats, B.Ap.Sc. M.C.S., C.E
DEPUTIES OF THE MINISTER OF AGRICULTURE  Jean Charles Tache. May 29, 1868 John Lowe. July 1, 1888 William Bain Scarth. Dec. 1, 1895 George Finley O'Halloran, B.A., B.C.L. May 20, 1902	DEPUTIES OF THE MINISTER OF RAILWAYS AND CANALS  Toussaint Trudeau, C.E., Oet 2, 1879 Collingwood Schreiber, C.E., Nov 30, 1802 Matthew Joseph Butler, C.M.G., LL.B., C.E., July 1, 1905 Archibald W. Campbell, M.C.S., C.E., Feb. 5, 1940
DEPUTIES OF THE MINISTER OF MINES  Date of appointment Reginald W. Brock, M.A., F.G.s F.R.S.C  Jan. 1, 1914	DEPUTIES OF THE MINISTER OF MARINE AND FISHERIES William Smith
DEPUTIES OF THE MINISTER OF FINANCE John Langton May 12, 1870 John Mortimer Courtney May 12, 1870 Thomas Cooper Baville, C.M.G. B.A. Nov. 1, 1906	DEPUTIES OF THE SUPERINTENDENT-GENERAL OF INDIAN AFFAIRS  Date of appointment  William Spragge Lawrence Vankoughnet Hayter Reed July 4, 1867 July 4, 1874 Hayter Reed July 1, 1897 July 1, 1897 Francis Pedley
DEPUTIES OF THE MINISTER OF MILITIA AND DEFENCE George Futvoye	DIRECTOR GENERAL OF PUBLIC HEALTH Frederick Montgambor 1.8.0, M.D.
DEPUTIES OF THE MINISTER OF TRADE AND COMMERCE William Grannis Parmelee	CIVIL SERVICE COMMISSIONERS Adam Shortt, C.M.G., M.A., LL.D., F.R.S C., Michel G. LaRochelle, K.C., B.A., LL.D., Sept. 1, 1908
THE KING'S PRINTERS  Malcolm Cameron. Nov. —, 1864 George Edouard Desbarats. Oet. 1, 1869 Lt.sCol. Brown Chamberlin, C.M.G. June 7, 1870 Samuel Edward Dawson, Lit. D. Nov. 7, 1891 Charles Henry Parmelee. Feb. 1, 1900 Joseph de L. Taché Mar. 46, 1914	#Edward Mail William Himsworth.  *Called *Commissioners*  *Sept. 1, 1908  *REVENUE  *May 29, 1868  . May 29, 1868 . May 5, 4871  Jan. 26, 1883 June 6, 1901 Oct. 1, 1912
DEPUTIES OF THE MINISTER OF PUBLIC WORKS Toussaint Trudeau	LIBRARIANS OF PARLIAMENT Alpheus Todd, C.M.G., July 1, 1867 Alfred Duclos DeCelles, C.M.G., Lit.D., F.R.S.C., Aug. 6, 1885 Martin Joseph Griffin, C.M.G., LL.D.Aug. 6, 1885

REGISTRARS OF THE SUPRE	MECOURT
Robert Cassels, Q.C Edward Robert Cameron, K.C	Oct. 8, 1875 July 2, 1898
SUPERINTENDENTS OF IN	
Prof. John B. Cherriman William Fitzgerald, M.A	1875 Dec. 1, 1885

DOMENION ARCHIVIST Arthur G. Doughty, C.M.G., M.A., LL.D....... May 16, 1904

COMPTROLLERS OF THE ROYAL NORTH-WEST MOUNTED POLICE Frederick White, Comptroller Jame 23, 1880

Trederick White, Comptroller June 23, 1880 Deputy Head July 4, 1883 Laurence Fortescue, 1840 Jan 4, 1913 SECRETARIES OF THE OFFICE OF THE HIGH COMMISSIONER OF CANADA IN LONDON

J. G. Colmer, C.M.G. . . . . . Oct. 25, 1881 William Lunney Griffith . . . . M.cr. 1, 1903

COMMISSIONER OF COMMIRCE Richard Grugg..... Jun. 20, 1912

ASSISTANT TO THE CHAIRMAN AND SECRETARY OF THE CONSERVATION COMMISSION OF CANADA James White, FRGS..., July 1, 1913

## The Homes of Some of our Governors

Canada has a curious custom of housing her Governors in second-hand buildings, and since Rideau Hall has been renovated and made fit to be the home of a Royal Governor General, the custom seems likely to continue for many years longer.

Chai plain was the first governor,—and he had a new house. He built it for himself, in 1623, within the walls of the second fort at Quebec. This residence,—famous as the "Castle St. Louis,"—was enlarged, repaired and improved, as age and changing fortune made necessary at intervals during more than two hundred years, and was the residence of more than forty governors, both French and English. In 1834 fire ended its eventful history. The site is now known as "Durham Terrace," and there stands the monument to Champlain. A building which occupied the site of the present Chateau Frontenac at Quebec, was used only temporarily as a vice-regal residence and, later, as an annex to the Government House.

The luxurious Sir James H. Craig, when Governor General, something more than a hundred years ago, leased "Spencer Wood," - outside Quebec,—as a summer home. Forty years later this place became "to ernment House" indeed,—the Province of Canada acquiring it for the occupancy of Lord Edgin, who was then Governor General. While the old house was being fixed up, the Albion Hotel was the official residence. Ten years later "Spencer Wood" had a bad fire and his Excellency, Lord Monck, was sheltered at "Cataraqui" while the buildings were being restored. Since the seat of government was removed to Ottawa, the lieutenant-governors of Quebec have occupied "Spencer Wood."

The hoary Chateau de Ramezay in Montreal, built in 1704 by the governor of that name, has, during its chequered career, sheltered a number of heads of the Government of Canada, a well as several governors of Montreal and district.

"Monklands," in the suburbs of Montreal, was the vice-regal home from 1844 until 1849, the usual repairs and alterations being made to previously constructed buildings to make it fit for Lord Catheart's and Lord Elgin's use.

Kingston dreams of the glories of the days when it was the seat of Canada's government. That was from 1840 to 1844 and, for one time, the government leased the residence of Baron Grant and did more enlarging and repairing. Lord Sydenham, Sir Chas. Bagot and Sir Chas. Metcalfe were the successive occupants.

Old Niagara was Upper Canada's first capital. Governor Simcoe was lodged in a log house there in 1792. In summer he used a tent as an annex to the house. Soon he moved his govern-

ment to York (Toronto) where "Castle Frank" was built for him. It too was a log Louse. Fire necessitated a new residence in 1828 and the resulting structure on King Street was used with enlargements and repairs) by Lieutenant-Governors and Governors General, at intervals until 1859. Elimsley House (now part of Loretto Abbey) was temporarily occupied by the Governor General about 1850-51. Sir Peregrine Maitland had a beautiful summer home on the brow of the Niagara escarpment, near Stamford.

Canada's governors and government seem to us to have led a curiously nomadic existence prior to Confederation. How strange appears the arrangement for the government to be located for alternate four-year periods at Toronto and Quebee!

Confederation brought permanency of location. Ottawa having been chosen the capital of Canada nine years earlier, 1858.—It was in 1865 that the government acquired "Rideau Hall," creeted in 1845 by Hon. Thomas McKay, and commenced a programme of "patching" that has continued to the present time.—The latest addition, finished in 1913, is so large, costly and handsome and covers up so much of the architectural puzzle-picture formerly in evidence, that old Rid an Hall will probably be the home of the Governor General for a long time yet.

A long and interesting story could be written about Canada's many governors and their places of residence. The records of administration in the several Maritime Provinces, British Columbia and the Prairie Sisters would furnish material for entertaining chapters. Space is not available for any attempt at such an undertaking in the present work but the foregoing hasty summary gives some faint idea of the richness of the field awaiting some historical gleaner

## Honoured by the Sovereign

A DAY's pay for a day's work is a trir relation between employer and employer. Each acquits the other. Yet, for long service, loyal service and service of peculiar merit, the employer ecommonly makes special acknowledgement. So it is in the Civil Service of Canada. The vast majority of civil servants neither expect nor receive aught beyond their fixed sabaries, yet some there are who, combining ability and opportunity, so raise themselves from the ranks that special reward is granted them. These rewards come from the Crown and are thus peculiarly appropriate to the employees of the nation.

#### Knighthooa.

Four distinguished members of the Caudian Civil Service have received the honour of Knighthood while in the country's employ. They may be said to represent the scientific, the literary, the administratic e and the diplomatic abilities of the service

Sir William Logan, founder of the Geological Survey, received the distinguishing mark of the approval of his public services from Queen Victoria in 1855.

Sir James Macpherson Le Moine received like honour in 1897, because of his literary achievements.

Sir John George Bourinot, clerk of the House of Commons, was raised from the Companionage to be a K.C.M.G. in 1898,

Sir Joseph Pope, Under Secretary of State, was raised from the Companionage to be a K.C.M.G. in 1912.

#### Other Decorations

Of the Royal Victoria Order, Sir Joseph Pope is a Commander (C.V.O.) and Lieut.-Col. A. P. Sherwood a Member (M.V.O.).

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house vernColonel Eugene Fisct, Deputy Minister of Militia and Defence, is a Companion of the Distinguished Service Order (D.S.O.),

#### The C.M.G.

The honour of a Companionship in the Order of St. Michael and St. George (C.M.G.) has been conferred upon many Canadian civil servants, including,

W. P. Anderson, T. C. Boville, M. J. Butler, J. G. Colmer, W. W. Cory, R. M. Coulter, J. M. Courtney, Aylwia Creighton, G. M. Dawson, S. E. Dawson, A. D. DeCelles, A. G. Doughty, Hector, Fabre, M. J. Griffin, W. H. Griffin, C. C. James, A. M. Jarvis, Wm. F. King, J. Lorn McDougall, John McDougald, J. M. Macoum, E. L. Newcombe, A. B. Perry, J. G. Rutherford, Wm. Saunders, Collingwood, Sclereiber, A. R. C. Selvyn, A. P. Sherwood, Adam Shortt, A. Sladen, H. R. Smith, Alpheus, Todd, Fred, White, Wm. White, Z. T. Wood.

#### The I.S.O.

The Imperial Service Order was created by King Edward VII as a means of fuller recognition of faithful and meritorious services rendered by members of the Civil Services of the various parts of the Empire. The Order consists of the Sovereign, the Prince of Wales and such Companions as may be appointed. Twenty-five years' meritorious service is required as a qualification for Companionship. Members of the Civil Service of the Dominion of Canada whose merit, added to long service, has won for them the coveted Decoration, include (in order of seniority).

J. M. Courtney, W. G. Parmelee, C. J. Jones, D. A. McDonald, S. W. McMichael, Fred. Montizambert, Augustus Power, Robert Bell, David Ewart, H. R. Smith, J. U. Gregory, Antoine Gobeil, J. W. Wallace, D. Pottinger, A. A. Boucher, Laurence Fortescue, A. L. Jarvis, G. L. B. Fraser, L. K. Jones, J. de St. D. Le Moine, Joseph Pope, E. D. Sutherland, G. N. Babbit, John Fraser, A. G. D. Taylor, W. J. Gerald, Geo. Ross, A. Frechette, J. H. McIllree, F. S. Checkley, N. O. Coté, Sidney Smith, Wm. Smith, W. H. Walker, W. C. Bowles, W. J. Lynch,

## Among the Savants

The distinctive abilities and worthy achievements of many Canadian civil servants in the realms of literature and science have won for them numerous tokens of the appreciation of their fellow savants. In recognition of their merits they have been elected to fellowship or membership in learned societies in Canada, in the United States and in Europe, and have been awarded numerous medals, diplomus and coveted prizes. Members of the statis of the technical branches of the service have been especially distinguished in this regard and many of them are honoured fellows of British scientific societies. In French literature, too, civil servants of Canada have won deserved honour in Old France.

A list of such achievements, or even of fellowships attained, would be very long. It may be of interest, however, to note the extent to which the Civil Service has contributed to the personucl of the Royal Society of Canada. In that distinguished body Civil Service members have included the following.

H. M. Ami, A. E. Barlow, Robert Bell, R. Errol Bouchette, J. G. Bourinot, R. W. Brock, Douglas Brymner, L. J. Burpee, W. W. Campbell, C. Carpmael, J. B. Cherriman, E. Cruikshank, G. M. Dawson, S. E. Dawson, W. B. Dawson, A. D. De Celles, E. Deville, A. G. Douglaty, D. B. Dowling, R. W. Ells, Hector Fabre, James Fletcher, Leon Gran, F. N. Gisborne, Eugene Haanel, B. J. Harrington, W. H. Harrington, C. Gordon Hewitt, G. C. Hoff-

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# Civil Service Organizations

In organization - in the broad interpretation of the term. lies the secret of success. It cannot be imagined that Noah built his ark and sorted out the animals two by two except by means of a splendid organization. Solomon must have had a perfect organization to have achieved the wonders of the Temple. Through secular as well as Biblical history, it is conceded that organization has achieved results. In former days before this world became so populated, and so busy, and before great combinations of governmental and capitalistic forces became employers of immense armies of men, organization was not of such paramount importance as it is to-day. In former days when small industries with few employees was the rule, men had opportunities to present their individual claims and being on more familiar terms with their comployers such matters could be, and generally were, adjusted without the new sity of organization. To-day, however, the individual employees seeking a just increase in remuneration refer from insupportable conditions, could not even get an audience with an official of a rigories overwally appropriate the authority to grant the request. Thus it is that in large

affairs, every advance made by the salary man has been the result of collective bargaining.

The civil service having all the problems common to other fields of labour, plus the handicaps of political influence, the difficulties of obtaining equitable adjustments of anomolies and injustices are greater than in the outside world. Moreover civil servants cannot in the very neature of things resort to the strike as a means of emphasizing grievances. Such an event would come under the category of high treason against the state. The only course open to civil servants is to convince the ruling power of the depravity of a given condition. The method of doing so is extremely round about—It cannot be accomplished by presenting memorials in deputation.

The method consists in going forth and educating the public to a full knowledge of improper conditions in the service. This done, all is done, for, by the endless chain of parliamentary representation, what the public believes, the member will heed, and so on until the ministers and the Premier are convinced of the potency and virtue of a robust public opinion; and so reform becomes an accomplished fact

All this cannot be done except by organized and concentrated endeavour. Facts as to conditions of service must be collected from a vist, widely-strewn field; they must be digested and co-ordinated and the product disseminated throughout the country by means of the pressure and all other available means of publicity.

In the United States, this principle is recognized to its fullest extent. In that country a number of prominent citizens, entirely outside the civil service, animated by all the ideals of a lofty patriotism, have banded themselves into a society called the National Civil Service Reform League with a newspaper and branches in many of the states of the union. The league carries on an extensive propaganda of publicity and surveillance of the public interest in regard to public service, and to its efforts must be ascribed all the honour and glory of the fact that of the 600,000 in the public services of the United States, 400,000 are under the merit system. In Canada there is no such movement on the part of the outside public, and as a consequence of the



J. A. SMITH PRESIDENT, CIVIL SERVICE FEDERATION OF CANADA

more than 40 000 persons serving the state, all but a few thousands are under the petronage

In many portions of Canada, civil servants have met together to form bent associations The purposes of these associations are in the highest degree meritorious. Some of the objects are, -(1) to endeavour by means of co-operation to benefit the economic state of the members (2) by the development and maintenance of good understandings to outry se 3) to study conditions in the public service and suggest remedies for any

The story of the formation of these various groups of Canadian civil servants into societies would be an interesting one did space permit its recital. The effect has been and in the future is sure to be more and more, in the public interest. The opportunity must not be missed, how ever, of recalling the story of the rise of the teder 4 body known as the Civil Service Federation

Organization made its appearance in Ottawa in the spring of 1906, when an athletic essociation was formed with a membership of 900. During the summer of 4907 was formed the Ottawa Civil Service A sociation of Ottawa, on organization that has done, and is still dong splendid work for the public service of Canada as a whole. Of all the achievements of this association, the greatest is the part it took in the organization of the Civil Service Eccleration of Canada. For the inauguration of the federal body, incorporating in its membership civil secvants of every class and from every portion of the Dominion, marks the beginning in earmst

The development of the federation idea was the result of a great deal of correspondence curied on memby by Mr. R. H. Coets, the secretary of the Off we as occation together with personal interviews conducted by itmerant members of the Ottawa executive who niged the cause of the federal organization during tems abroad or, government or prayate business. The members of the outside service were cordially respondent to the appeal, and the ground having been well prepared the Offawa association issued the call for the fast convention in March, 1909. The call was published in the Civilays of March 26, and was signed by J. A. Dovon, president, and R. H. Coats, sceretary. It will be interesting to recall the opening paragraphs at this

## "Call Issued by the Ottawa Association for the Organization of a Civil Service Federation"

## "To the Civil Service Organizations of Canada"

"For some time past the need of a more tangible bond of union between civil servants throughout Canada, and especially between such portions of the service as have already achieved organization, has been felt by a large and increasing number Numerous questions of the utmost importance to each and every employee of the Covernment have arisen from time to time and will remain unsolved until the service finds a united voice. Recent events have proved the value of organization among groups and classes within the service. The time has undoubtedly come when the principle should be extended, and the entire service brought on a proper basis into the movement

"The Civil Service Association of Ottawa, representing the employees of the Government at headquarters, recently brought forward the suggestion that a federation of the existing organizations within the service should be formed. A provisional Constitution was drawn up and submitted for approval to the various bodies interested. Nearly all of these have consented to join in the movement, on a basis to be finally de-



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GEORGE CARRESTER, Vice-President Civil Service Federation of Canada

termined by mutual consent, and this Association is by request authorized to call the first annual convention of the Civil Service I's denation of Canada, to be held it Out as a Thursday and Friday. April 29 and 30–1909.

The convention of 1999 was undo abtedly one of the best of the four that here been held thus fac. It was in every particular in inspiring occasion. All the subjects brought forward by the delegates related to great principles of general application and the discussions in lie and desire to advance the cause of civil service administration to the highest state of efficiency. This spirit has pervaded all the conventions held by the federation.

With all the success attending the formation of the federation, there is no doubt that much remains to be done. The work so far has been done by members of the service who have mean official duties to occupy their time. It is a question if the time has not arrived, with the rapidly mere using number working for the Crown, to entrust to some mean the sole duty of drawing the service into a great organic among A government decadous of an enthusiastic and paints taking service would find it cleant geoms to encourage and a movement. In another portion of the British Lampic, the government does find conferences with according to present dives of the service at Aduction for and special leave, it realling expenses and other ands are granted to delegates aftending conventions. By gathering a greater and still greater proportion of the service more closely into the family circles more complete conscensus of opinion may be gathered as to the proficiency of all methods of civil government.

The executive elected at the convention in December, 1913. Las some large plans for the development of the foregoing state of co-operation between the Government and the service Committees have been formed for the purpose of increasing the membership from 4 000 second present to 10 000 by the end of the year, and to conduct the compagn of publicity and other from especially as to the outstanding ethical features of government service.

The officers of the Federation, elected at the convention held on December 4th, 1913, and J. A. Smith, Collector of Customs, Windsor, President, George A. Carpenter, Chief of Dead Letter Office, Montreal, Vice-president, Frank Grierson, Finance Department, Ottawa, Sceretary-treasurer, and chairman of Tirk Civilitys Committee in charge of this Special Number.

Passing reference may be made to three traternal societies at this time operating in Ottawa only, but of great general interest, owing to the influence which either they exert at present or will in the near future exert over the whole service. They are, the Co-operative Supply Association, the Savings and Loan Society and the Civil Service Club. The Co-operative Association for the past three years has operated a constantly growing business and it is expected that after the institution of tederal legislation in respect to co-operation, that the whole service of Canada will be welded into one great co-operative brotherhood. The Savings and Loan Society was instituted for the purpose of combating the loan sharks, who had for years preved upon certain sections of the Ottawa service. The society has worthily justified its manguration, and too much praise cannot be accorded to those loyal members of the service who man the boards of this organization. The Civil Service Club fills a long telt want in the social life of the service and its attractive club house is the rendezvous of members of the service from all parts of Canada who, from time to time, pay a visit to the capital.

A number of photographs of the officers of civil service societies have been obtained and reproduced and presented as a feature that will afford considerable interest. No discrimination in the work has been exercised in this regard, as a general institution was issued to all established societies. There will also be found on another page in interesting list or all the established associations, at present in existence according to the records of the feder, tion, together with the names of the president and secretary of each.



Annua Pour Process



FRANK CHIERON, Secretary Civil Service Federation of Canada and Charman of the Civilian Committee

# List of Civil Service Organizations at Present in Existence

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Cornwill Canal Employees 3	L.	Mrs Mary Doyle	Miss V. L. William
MENTER BEAR			
Postal Cherks' Association	Cornwall, Om	Bun McMillan	1 J. McCutch or
Public Works Employees	Singston, Ont	R. J. Genge	A Bunt
Rollway Mail Clerk	Fernina, Opt	L.G. Mathisos	1 Sumpson
Postal Clerks Association	Foronto, Ont	W. G. Jessop	R Cowling
Customs Assentation	Foronto, Opt	A. E. Crate	
Customs Association	Joronto, Onc	R. Holmes	G. Murphy
Indeed Decree	Hamilton, Ont	Thos. McCallian	A Callon
Inland Revenue Association	Hamilton, Ont	W. F. Miller	R Colym
Post Office Association	Hambon, Ont	W. L. Waterness	A Ballantine Jr
Customs Association	Numara Falls, Ont	C. F. Burton	↓ Q. McCullock
Post Office Association	Guelph, Ont	M. Walker	V.C. Milite
Civil Service Association	Bridgeburg, Ont	M 12 M 11	W. C. Wrigh
Excise Association	Stratford Out	W. F. Willson	P. S. Johnston
Civil Service Association	Sarma Ont	Ger Rennie	A. J. Joffms
Customs Association	London, One	Col. C. S. Ellis	W. W. MeVieri
Customs Association	Wand a tree	W. Bartlett	B. C. McCann
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Dominion Civil Service Associa-		J. Rea	P E Dennison
Hon. B (	Vancouver, B.C	D. C. S.	
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for any mark of the control of the c	Victoria, B.C.	Win Henderson	A Calderwood
4	New Westminster, B.C.	J. W. Harvey	L G Sharpe
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British Columbia Railway Mail Cler's Association		W A Crichton Aut	

### Civil Servants in Literature

The preparation of an article under this heading has proved to be a work of unanticipated difficulty. So far as the editors of the Civilian are aware, no attempt has been made before to sum up what contributions the civil servants of Canada have made to the country's literary wealth, hence it was necessary to seek in many quarters for information on which to prepare this summary. Doubtless some worthy productions have been omitted and some names righly deserving to be include 3 have been left out. For these sins, committed in ignorance, no apology is offered. The work done is the best which the circumstances would permit.

again. what is "literature?" The written works of civil servants range from volumes of loft  $\varepsilon$  verse to statistical blue-books and cover history the drama, fiction, science economies, philosophy, biography, mathematics and what not? What should be included as "literature?" Who shall decide the relative values to Canada of an inspiring poem and an illuminating scientific



CAME SERVICE FIDERATION OF CANADA, ANNUAL CONVENTION, APRIL 1911

report? Many a man in Canada's service has devoted his life to such arduous toil afield that he has had no time to record the results of his labours in other form than condensed official reports. The adventures and achievements might fill volumes of absorbing interest, but they remain untold. The time will come when students and reviewers, worshipping from afar, will accord due honour to these true, if little known, "makers of Canada". So it is intended that the balance of error in the following list of works and authors shall be on the side of inclusion rather than that of exclusion.

So, leaving comparisons and discriminations to our critics, we give the names of those who, to our information, have added something, much or little, to the sum of recorded thought or

Administration of the second

knowledge which will go down to succeeding generations. As a rule, no "blue-book" works nor reports appearing in the "Sessional Papers" have been mentioned, but many special reports of technical officers, printed by the government in other forms, are included.

FREDERICK ALBERT ACLAND. Deputy Minister of Labour, had a distinguished journalistic career before his entry into the Civil Service in 1907. His articles on Western Canada published in the Toronto Globe, were reprinted in book form by the Dominion Government. He is the author of "Joseph Chamberlain, the Man and the Statesman," and of numerous contributions to magazines.

HENRI MARC AMI, M.A., F.G.S., D.Sc., F.R.S.C., invertebrate paleontologist of the Geological Survey, has, during his thirty years of scientific work, added to the public knowledge of Canadian geology by publishing perhaps two score articles in the leading scientific journals of the Dominion and other countries. Among his works are, "Preliminary List of Fossils from Eastern Ontario," and "Esquisse Géologique du Canada."

Lifut.-Col. W. P. Anderson, C.E., C.M.G. chief engineer of the Department of Marine and Fisheries founded the "Canada Militia Gazette," and filled the editor's chair for two years.

A. von Anree, of the Mines Branch, embodied the results of his investigations of Canadian peat bogs in a report which has gone through several editions.

Walter P. Archibald. Dominion parole officer, long and widely known for his splendid work in the reformation of criminals, has published noteworthy articles entitled, "Juvenile Criminality," "The Uplifting of Men." "Criminal Anthropology" "The Supremacy of Christian Ethics," and others

Fryncois J. Alder, of the Dominion Archives, has published brochures entitled, "Historique des Journeux d'Ottawa," "Le Clergé Protestant du Bas-Canada de 1760 à 4800," "La République d'Indian Stream," and "Journalism and Journalists of Ottawa," He has also contributed many articles to "Bulletin des Recherches Historiques,"

Louis Arthur Audette, LLD, K.C., registrar of the Exchequer Court of Canada since 1887, published in 1895, "The Practice of the Exchequer Court of Canada."

C. M. BARBEAU of the Geological Survey is deeply learned in Indian lore. Among his writings are "The Bearing of Heraldic Art Among the British Columbia Indians," and "Du Pottatch en Colombie Britannique."

A. E. Barlow, F.R.S.C., of the Geological Survey, has written noteworthy memoirs on the geology and natural resources of the Nipissing and Timiskaming regions and on the geological features of the nickle and copper deposits at Sudbury.

ROBLICT BELL, LS.O., LL.D., M.D., C.M., B.A.Sc., F.G.S., F.C.S., F.R.S.C., one of Canada's great explorers and geologists, who was connected with the Geological Survey for over forty years, rising to be Director, published over 200 reports and papers, listed in the "Bibliography of the Royal Society." His explorations and reports gave the earliest land to the North of Hudson Strait.

Hieror Bernier, of the Library of Parliament, is a novelist of good performance and much promise. With maturer powers and a wider knowledge of the world, he should produce works which will take rank with those of some of the greatest living French novelists. He has two books to his credit thus far, "Au large de l'écueil"— Far from the Reef), and the other, "Ce que disait la flamme." (What the Flame Said).

E. Billings, late paleontologist of the Geological Survey, wrote monographs on "The Lower Silurian Cystider and Asteriadae," and "The Lower Silurian Crinoide"," also a report on "Paleozoic Fossils."

Alfred K. Blackadar, M.A., F.I.A., lately assistant Superintendent of Insurance, is the author of several papers on actuarial science and of many actuarial tables.

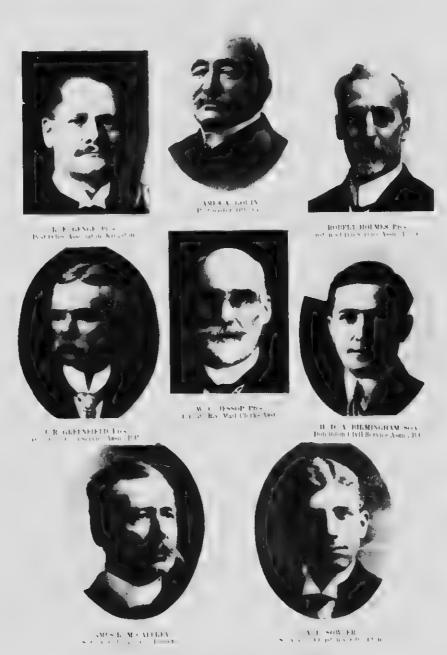
Harrison Harring Bligh, K.C., D.C.L., librarian of the Supreme Court, edited "The Consolidated Orders in Council of Canada," and was one of the compilers of the "Dominion Law Index," and the "Ontario Law Index."

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PROMINENT IN THE SERVICE AND ITS ORGANIZATIONS

ARCHIBALD BLUE, LL.D., chief officer of the Census and Statistics office, wrote "Resources and Progress of Ontario" "Growth of Canada in the Twentieth Century" "Union and Disunion in the Christian Church," and other works.

James Boxar deputy master of the Canadian branch of the Royal Mint has published several economic works, including "Parson Malthus," "Malthus and His Work," "Ricardo's Letters to Trower," and "Political Leonomy;" has contributed to encyclopedias and works of reference and to Beck's "Biblical Psychology."

Robert Earon Bouchette, F.R.S.C., late of the Library of Parliament contributed many notable articles to Canadian periodicals and published, among other books, "Robert Loze," a novel; "Finparons-nous de l'Industrie," "L'Evolution Economique," "Etudes Sociales et Economiques sur le Canada," He also edited the memoirs of his father the late R. S. M. Bouchette, Commissioner - ? Customs.

Sir John Gronge Bournor, K.C.M.G., F.R S.C., late clerk of the House of Commons, while best known, perhaps, as the author of the standard book of rules governing debate, was also an able historian. His works include, "The Intellectual Development of the Canadian People," "Constitutional History of Canada," "Parhamentary Government in Canada," "The Old Forts of Acadia," "Gentlemen Adventurers in Acadia," "Marguerite" a tale, "The River of the Desert" and many others.

REGINALD W. BROCK, M.A., F.G.S., F.R.S.C., Deputy Minister of Mines, has, during his long connection with the Geological Survey, written many papers and reports of scientific character dealing with the work of his department. Among them are "The Physical Basis of Canada" (in "Canada and Its Provinces"), "The Larder I. ke District" "The Rossland District," "The West Kootenay District" and "Ore Deposits in the Boundary Creek District."

JOHN HENRY BROWN, of the Post Office Department, besides contributing to "The Week," "The Conservator," and other periodicals, published, in 1892, "Poems, Lyrical and Dramatic," a volume of such merit that he has been described as "distinctly the poet of human and "the most thoughtful of all our nocts."

Thaddeus A. Browne, of the Department of the Diterior, is the author of a book of verse, "The White Plague," and of numerous striking poems on timely topics published in Ottowa newspapers.

Peter H. Bryce, M.A., M.D. L.R.C.P. and S., chief medical officer of the Department of the Interior is the author of monographs on a variety of medical subjects, public sanitation, etc., etc., and contributed to the "Handbook of Medical Sciences."

Douglas Brymner, LL.D., F.R.S.C., first Dominion Archivist, left to Canadian students and historians a series of reports and calendars of immense value. Dr. Brymner was also well-known as a writer of special articles in the Scottish vernacular, published in the "Scottish American."

Alexander M. Burguss, late Deputy Minister of the Inferior, was a ready and accomplished writer and, during his career as a journalist and as a civil servant, contributed many; rticles and sketches to Canadian newspapers and magazines.

LAWRENCE J. BURPLE, F.R.G.S., F.R.S.C., secretary of the International High Commission, has a long list of noteworthy books to his credit. Among them may be mentioned "Charles Heavysege," "A Bibliography of Canadian Fiction," "The Search for the Western Sea," "Flowers from a Canadian Garden" "Fragments from Sun Slick," etc., etc., With Dr. H. J. Morgan he published, "Canadian Life in Town and Country," and with Dr. A. G. Doughty, "An Index and Dictionary of Canadian History," He has also contributed to "The Encyclopedia Britannica," "The Encyclopedia Americana," and the "Transactions of the Royal Society of Canada."

"Jack Cadden" is the Kipling of the Canadian Railway Mail Service. The Civilian has had the proud privilege of making his splendid work known throughout Canada, and no contributor has won more unanimous favour than he. Into the measures of his stirring verse he weaves the best spirit of the public service and his touches of local colour give

- the reader a fascinating glimpse of the streamons, dangerous and romantic life of the railway mail clerk. Finishing the perusal of "Lines Written in a Railway Mail Car" "Bucking Snow," "The Ballad of the Goose Lake Line," or "First Night," one always longs for more, and it is the hope of his numberless admirers that Mr. Cadden will keep his pen bright with use.
- D. D. Carrens, B.Sc., M.E. Pu.D. assistant geologist of the Geological Survey, is the author of memoirs dealing with, "The Lewes and Nordeskield Rivers Co.d District" and "Portions of the Atlic District, British Columbia."
- ALEXANDER COLAS CAMPBELL, of the Hausard staff of the House of Commons, is a writer of authority on economic subjects. Noteworthy among his productions is the volume, "Insurance and Crime: a Study in the Effects on Society of Cectain Abuses of Insurance, with Historic Instances of Such Abuses," Articles from Lis pen, dealing with present day problems and their solutions, have appeared in different periodicals and his trenchant arguments are a source of strong support to the worthy causes with which he is identified.
- Archibald W. Campbell. Deputy Minister of Rullways and Canals, far-famed as the apostle of "good roads," has written a number of works on that subject which are text-books in the hands of engineers and road-makers in different countries.
- CLARENCE T. CAMPBELL, post office inspector, London, wrote "A Roundabout Ride to Los Angeles and Back," and contributed freely to magazines.
- Robert Henry Campbell. Superintendent of the Forestry Branch, has displayed marked ability in his editorial utterances in the "Canadian Facestry Journal" and in his papers and lectures on forest resources and administration.
- William Wilferd Campbella, LL.D., F.R.S.C., of the Archives, the premier Canadian poet of the day, is also a dramatist, essayist, critic and novelist. His pen has been devoted to Canado, to the delineation of her seeine wonders, to the revivifying of her historic traditions and to the discussion of her social and ethical problems. All with rare effect and the appreciation of the ablest critics. Among his characteristic works are, "Lake Lyries," "The Dread Voyage," "Mordred and Hildebrand," "Beyond the Hills of Dream," "Sugas of Vester Britain," "In of the Orendes," "A Beautiful Robel," and "The Canadian Lake Region."
- CHARLES CAMSELL, B.Sc., geologist, of the Geological Survey, is the author of reports on "The Peel and Wind Rivers," and "The Geology and Ore Deposits of the Hedley Mining District"
- J. B. Cannon, M.A., of the Dominion Observatory, wrote, for the Journal of the Royal Astronomical Society of Canada, "The Orbit of the Persei" and "The Elements of 93 Leonis,"
- P. A. CARSON, D.L.S., of the Topographical Surveys, is the author of "Precise Measuring with Invar Wires "ad the Measurement of the Kootenay Base," which appeared in the Journal of the Royal Astronomical Society and has been re-printed as a pamphlet.
- G. G. Chatmers, late of the Geological Survey, wrote reports of his researches on "The Surface Geology of New Brunswick," and "The Surface Geology and Auriferous Deposits of South-Eastern Quebec."
- Major Ernest J. Chambers, gentleman usher of the Black Rod, is a versatile writer. Among his best known books are "The Canadian Marine," "Canada's Fertile Northland," "The Book of Canada," "The Book of Montreal," and "The History of the Royal North West Mounted Police." He publishes the "Canadian Parliamentary Guide" and has written the histories of several Canadian regiments.
- J. C. L. T. Chapais assistant Dairy Commissioner, has written several books on agriculture, also the "Guide Illustré du Sylviculteur Canadien."
- William Charman, translator of the Senate, has twice won the highest prize of the French Academy for his poetical lit rary productions. The volumes which brought him such honour were his "Les Aspirations" and "Les Rayons du Nord." Among his other noteworthy works are "Les Québecquoises," "Le Lauréat" and "Les Deux Copains." He has also contributed much verse to French periodicals.

Prof. J. B. Cherriman, F.R.S.C., first Superintendent of Insurance, was the author of a number of valuable mathematical treatises. Another interesting production of his pen was an article on "The Bishop's Move in Chess."

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- Syrva Clapin, translator on the House of Commons staff, is the author of "Dictionnaire Canadia-Français" "Dictionnaire des Américanismes," a history of the United States and a French-English dictionary.
- George H. Clark. Dominion Seed Commissioner produced, with the late Dr. Fletcher, the valuable botanical work, "Farm Weeds of Canada."
- ROBERT P MILLON COALS, B.A., editor of the "Labour Gazette," has, in addition to his numerous economic and statistical reports and books, produced (with R. E. Gosnell) the volume on "Sir James Douglas" for the "Makers of Canada" series.
- William H. Collans, B.A., B.S., Ph.D. of the Geological Survey wreten valuable report of his "Reconneis — coff the Region Traversed by the National Transcontinental Rankey between Lake Niongon and Clay Lake," also "The Geology of the Gowgarda Mining Division."
- Joseph Grose Colmer, C.M.G., formerly secretary of the High Commissioner's Office in London, wrote, among other notable articles a series entitled "Acress the Canadian Prairies," contributed articles on Canada to Chambers' Encyclopedia and divided the "Statist's" 1009-guinea prize for an essay on, "A Commercial Union of the Empire."
- Et clene M. A. Cosa), mining engineer, formerly of the Geological Survey, has written and lectured on, "The Volcanic Origin of Oil," The Volcanic Origin of Natural Gas" and similar subjects.
- Narctsse O. Coré, LS.O., chief of the Land Patents Branch, Department of the Interior, is the author of "Politic I Appointments, Parliaments and the Judicial Bench of Canada, 1867-1895."
- Thomas Coré, formerly of the Census office, is the author of a biography of Mercier and of "Trois Etudes."
- Lift T.-Col. Louis W. Coutler, K.C., reporter of the Supreme Court, has published several legal works, among them being, "A Manual of Land Titles Registration," "The Concordince to the Code of Civil Procedure of Lower Canada," and "The Consolidated Supreme Court Digest."
- FREDERICK W. COWIE, B.A.Sc., engineer Department of Public Works, is the author (with G. W. Stephens) of the "Report on British and Continental Ports," of "Navigation on the St. Lawrence River" and of "Winter Navigation,"- the latter dealing with Hudson Bay
- JOHN D. CRAIG, B.A., B.Sc., D.L.S., of the International Boundary Survey, wrote "Glimpses of Work on the 141st Meridian," and "Marking the Alaska Boundary."
- Col. Ernest A. Cruikshank, F.R.S.C., sometime keeper of the military records in the Dominion Archives, journalist, public official, soldier and author, ranks among the first Canadian historians. The fidelity to facts which characterizes his works makes them valued as text-books and authorative sources. Among his numerous monographs may be mentioned. "The Battle of Lundy's Lane," "Story of Butler's Rangers," "A Century of Municipal History," "The Battle of Queenston Heights," "The Fight in the Beechwoods" and "The Records of the Services of Canadian Regiments in the War of 1812,"—the latter being a series of articles writter for and published by the Canadian Military Institute. His most extensive work is the compiling and editing of "The Documentary History of Campaigns of 1812-14" published in ten volumes by the Lundy's Lane Historical Society.
- Mas, E. A. M. Cummings, formerly of the Department of Trade and Commerce, is one of the best-known of women writers in Canada—She has done much journalistic work and wrote also "A Trip Through Our Mission Fields."
- worthy career as a liter of French-Canadian publications in the West and wrote much concerning the problems and future of his race.



PRESIDENTS CUSTOMS, POST OFFICE, AND PUBLIC WORKS EMPLOYEES ASSOCIATIONS

- George Mercer Dawson, C.M.G., LL.D., F.R.S.C., late director of the Geological Survey, and one of the group of great scientists who have devoted the vives to the study of the notural resources of Canada, left records of his work in many ports and papers, de ding chiefly with the geological, ethnological and geographical features of the North-Western regions of the continent. British Columbia Albert, and Yuken. Another of his works deals with the geology of the region traversed by the 49th parallel from the lake of the Woods to the Rockies.
- Samt et Edward Dawson, C.M.G., LL.D., F.R.S.C., formerly King's Printer, has had a varied literary career. His historieal works include articles on, "The lengthsh Mmontty in the Province of Quebec," "The Problems of Greater Buttain," "Counds and Newfoundline" "The St. Lawrence Busin," etc., etc., etc. His "Study of Lord Tennyson's perm, "The Princess," is a masterpiece of literary analysis and won for him on hon arcible place among critics. His latest work is "A Plea For Literature."

WILLIAM BELL DAWSON, B.A., M.E., B.Sc., C.E., F.R.S.C., engineer in charge of the Tidal and Current Survey, has written widely known reports on marine surveying one of which won for him the Watt gold medal of the Institute of Civil Engineers of London. He was also awarded the Gry prize of 1 500 francs by the Academy of Science, Paris.

Algred Drevos De Claires C.M.G., Lit D. F.R.S.C., Labrarian of Parliament, has made rich contributions to the historical and biographical literature of French Canada. His volumes on "Parime a." "Latoritaine," and "Cartier" are authoritative and of absorbing interest, while "A la Conquète de la Laberré en France et au Canada," "Les Constitutions du Canada," "Les Crise du Régime Parlement are," and others of his works are of equally high merit. His "Les Etats Unis; Origines, Institutions, Développements," won the highest prize of the French Academy of Political and Moral Sciences.

RALPH EMPRISON Dr. Laux, Ph.D., of the Dominion Observatory, has written "Convection and Stellar Variation," (The Solar Rotation" (with Dr. Plaskett) and other treatises

CAPT FDOUARD G. DEVILLE, Surveyor-general is the author of the book, "Photographic Surveying" (now in its second edition and of "Examples of Astronomical and Goodetic Calculations," He also wrote a pamphlet, "The Copying Camera of the Surveyor-General's Office," and several important papers for the Royal Society of Canada.

FRI DERICK A. Dixox of the Department of Reilways and Canals, is a playwright of some note. Among his productions are, "The Mayor of St. Brieny" and "A Masque of Welcome."

- Artin R Georgi Dottanty, C.M.G., M.A. Li, D., F.R.C.I., F.R.S.C., Dominion archivist, has won distinction as a poet essayis' and historian. His ability in different branches of hiterature can not be better demonstrated than by naming a few works of note which have come from his pen. Among them are, "The Life and Werk of Tennyson," "The Song Stery of Francesco and Beatrice," "The Fortress of Quebec," "The Siege of Quebec" cwith G. W. Parmelee), "Quebec Under Two Flags" (with N. E. Dionne, "The Struggle for Supremacy," the libretto of the comic opera "Bonnie, Prince Charlie," and numerous others.
- Robert C. Dot glass, C.E., of the Department of Public Works, contributed frequently to the scientific press and wrote valuable reports on the problem of commerce in Lagragian
- D. B. Downty, B.A.Sc., F.R.S.C. of the Geological Survey, is the author of several important to ports on Canada's coal ureas. Among them are "The Coal Fields and Coal Resources of Canada" "The Cascade Coal Basin," and "Report on the Coal Fields of Mantoba, Saskatchewan, Alberta and Eastern British Columbia."
- John A. Dresser, M.A., geologist, of the Geological Survey, is the author of "Report on the Copper Deposits of the Eastern Townships of Quebec," and "Reconnaissance along the National Transcontinental Railway in Southern Quebec,"
- ROBERT W. Flas, M.A., LL.D., F.R.S.C., F.A.G.S., geologist, of the Geological Survey, has written, in addition to numerous reports for official publication, many papers for scientific societies and their publications. His work, deal shiefly with the geology of the Gaspé tegion and portions of New Brunswick and Nova Scotia.

- HECTOR FARRY C.M.G., F.R.S.C., late Commissioner of Canada in Paris, wrete much on Canadian retional topics. Among his works are, "Esquisse Biographique sur le Chev. de Lorimier." "Ecrivains Canadiens." "Confederation, Independence, Annexation," and "Chroniques."
- ELGÈNE R. FARIRAULT, B.Sc., F.G.S.A. geologist, of the Geological Survey, has devoted much study to the gold-bearing rocks of Nova Scotia and is the author of several memoirs on that subject
- Thomas Fawgett, D.I.S., of the International Boundary Survey, has written, "The International Boundary from the 45° Parallel to the Hendwaters of the St. Croix River."
- SIR SANFORD FLEMING, C.E., F.G.S., F.R.G.S., etc., etc., some-time engineer in the employ of the Government of Canada, has won distinction by his writings on a number of subjects as well as by his achievements as an engineer. Among his works are, "Time Reckoning," "The Intercolonial Railway," "Doily Prayers," "Uniform Standard Time" "The Pacific Cable," "England and Canada,—Old to New Westminster," "Parliamentary vs. Party Government,"
- James Fletcher, LL.D., F.L.S., F.R.S.C., late entomologist and botanist. Central Experimental Farm, was the author of many valuable contributions to scientific literature. One of his popular articles was that on "Practical Entomology," in the transactions of the Royal Society of Canada.
- JOSEPH KEYRNEY FOREN, LL.D., assistant law clerk of the House of Commons, has demonstrated the rare literary abilities with which he is endowed by his prolific production of poems, tales, essays, reviews and lectures. Among his works may be noted, "Simon the Abenakis" "Tom Ellis," "The Laws of Obligation," "The Spirit of the Age," and "Canadian Lyries and other Poems."
- Achu le Fréchette 4.8.0., formerly translator of the House of Commons contributed in both prose and verse to different publications, winning high repute as a litterateur.
- A. T. Figer, inspector of weights and measures at Hamilton, is the author of a "Life of Hancock," and a number of poems, including, "Canada to Britain."
- ALFRED GARNEAU, late translator of the Senate, was a son of F. Garneau the famous historian. His greatest literary work is the third edition of his father's "History of Canada," carefully revised and edited. He is the author also of a volume of poems posthumously published under the direction of his son, Hector Garneau. He wrote also many brochures mainly historical, among the best known of which is, "Les Seigneurs de Frontenac"
- HECTOR GARNEAU, LL.B., formerly of the Department of Inland Revenue, won a place among leading Canadien authors by his contributions to French and English periodicals and by the volume. "Po6sies d'Alfred Garneau." He also edited the fourth edition of the splendid history written by "'s grandfather, F. X. Garneau.
- ARTHUR GIRSON chie assistant Dominion entomologist, is the author of several monographs and papers and or numerous contributions to scientific journals, all dealing with the problems and progress of entomology.
- A. T. Gieberg of the Central Experimental Farm staff, was the author of many works on agricultural subjects and of "From Montreal to Halifax and Return." published in the year of Confederation.
- Rodolphe Gieard, translator, of the House of Commons is a dramatist and author of note. His plays include, "Fleur de Lys." "Le Conscrit Impérial," "Le Chiea d'Or," and "A la Conquète d'un Baiser;" while among his stories are, "Florence," "Rédemption," "Mosaïque," and "Marie Calumet," The last-named romance was bonoured by the French Academy.
- F. H. Gisborne, K.C., parliamentary counsel, is the author of "The Duty of the Parent in Relation to Education," and other works of legal and sociological character.
- F. N. GISBORNE F.R.S.C., was the author of a treatise on "Automatic and Multiplex Telegraphy" and other works of technical and scientific character.

LeoNym Goodlay C.E. of the Topographical Surveys, has written for the Central Engineer, "Calculations for the Stability and Displacement of Groving Docks," and R. novay Feedling." the latter appearing serially in 1914.

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- Eggs: Green, of the Department of Trade and Commerce, has written series of articles to newspapers, dealing with the war of 1812-14, and is the author of the historical pamphlet. "Some Graves at Lundy's Lane."
- FRANCIS W. GREY, Lit.D., of the Dominion Archives—has published a play, "Sixteen-Ninety." a novel "Le Curé de St. Philippe" and a volume of poems, also numerous articles in Candian magazines.
- MARTIN J. GRIFFIN, C.M.G., LL.D. parliamentary librarian, has been known for many year as a writer of ability. As a member of the editorial staffs of leading Canadian newspapers of both. His column, "At Dodsleys," in the Montreal Gazette was one of the most ably written departments of any Canadian newspaper of the time.
- WILLIAM L. GRIFFITH, secretary of the High Commissioner's Office in London, has written much and lectured often to advertise Canada in the Old Country. He is the author of "The Dominion of Canada" in the "All Red" series.
- ANDREW HALKETT, naturalist, of the Department of Marine and Fisheries, is the author of "A Check List of the Fishes of the Dominion of Canada" in which he do Is with 566 species of fish.
- Major Charles Frederick Hamilton, M.A., assistant Comptroller of the Royal North West Morated Police ranks high among Canadian journalists and is to earther ewith W. L. Grant of "The Life of Principal Grant". He is a voluminous contributor to Canadian and American periodicals
- Elegene Hynnel, Ph.D., F.R.S.C., Director of the Mines Branch, Department of Mines, is the author of a great number of valuable scientific works, including "Mining Conditions in the Klondike," "Investigation of Electric Shaft Furnace," "The Location of Magnetic Ore Deposits by Magnometric Measurements" and many others.
- William E. Happer M.A., astronomical observer has written "The Orbit of 88 Tauri" and other articles for astronomical publications.
- Bernard J. Harrington, M.A., Ph.D., F.R.S.C., sometime chemist and numeralogist of the Geological Survey, was the author of many valuable scientific works and of "The Life of Sir William Logan,"
- W. H. HARRINGTON, F.R.S.C., of the Post Office Department, wrote freely on entomological topics. His scientific and popular articles number probably a hundred.
- C. Gordon Hewitt D.Sc. F.R.S.C. Dominion entomologist, has contributed across atticles on scientific subjects to various publications and the transactions of different learned societies. He is particularly well known to the general public for his practical work towards the suppression of the house-fly, and is the author of several books on the relation between unsects and disease.
- William H. Hill, formerly inspector of Customs for Nova Scotia, wrote several valuable essays for the Nova Scotia Historical Society.
- Henry Yould Hind, M.A., D.C.L., F.R.G.S., became one of Canada's great scientific evalurers in pre-Confederation days. The titles of his published works indicate the extent or his labours and the variety of his interests. Among them are, "Insects and Diseases Invarious to Wheat," "The Red River Exploring Expedition of 1857 and the Assimboine and Saskatchewan Expedition of 1858" "Explorations in the Interior of the Labredor Pennisala" "Eighty Years Progress of North America," "History of the University of Kino's College Windsor, N.S.," and many others.
- Major Charles Alfred Hodgetts, M.D., chief of the Health Department of the Commission of Conservation, has written many papers and published several pamphlets on the problems of public health.



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Miss Green B. Regenoris, Vice-President
Wile (P. Britch
Civil Service Association of Office)

- Ground Currier (Horaways, 14, D., L.R.S.C., formerly of the Geological Survey, wrote numer ous reports and pamphlets on chemistry and inmeralogy, including. Chemical Contribution to the Geology of Canada, " also "The Encalyptus of Australia
- ARITH & G. HOPKING BSA, of the Department of Agriculture of hoding vectors by outbonly is the author of the hand-book, "Vetermary Element
- T. Strongy Heser, F.R.S.C., of the Geological Survey, made chemical investigations of rock mises is miner d water a teamed wrote. The Goderich S. R. Region and Mr. H. Attrib f splor clion a ner? Petroleum, it Coological Relation and Special Reference for it Chargronne in Caspe.
- D. Everyte, VR S.M., of the Goodows if Survey, wrote. Report on Mine, and Minne et Lake Superior, and "Report on the from Ore Deposit, Mong the Kingston and Pembrok
- CHARLES CANNIEL JAMES, C.M.G., F.R.S.C., of the Department of Agriculture, has found time during a career devoted to the improvement of the Canadian farming mention and the proper test of technical work, in that, onacction to discovering a verificiation of a histories. work of note. Among these the following are well-brown. The Full History of The Second Logislature of Epper Canada (A. Temy on Physius on " The Down! direct the Huron Nation " and a Bill hogs q by at Carrell a Poetr .
- R. A. A. Jouxsios, of the Geological Survey, wrote a boiletin en ... Wide denum and A may-
- W. A. Jouxstox, M.A., B.Sc., of the Geological Survey, is the author of "Geology of L.J.
- C. F. Just, of the Condem Immigration cryice in England, has contributed much to Coundrin and British publications on commercial and economic adjects. He would be society of Arts me fal with his essay, "The Manufacturing Industries of Greater Britain
- Thomas C. Kriefen, C.M.G., C.E., F.R.S.C. long-connected with government railways, con-1s and other works and the dean of the engineering profession in the Deminion, has written a great many reports on the problems of engineering and transportation which have leaf go at maticine on Carolian affairs. Two of his early works. The Padesoph of Rulw. vs. and "The Inflaence of the Canals of Canada on Her Agriculture," inde of the comprehensive scope of his researches and observations
- Joseph Kerris, B.Sc., of the Geological Survey reported "A Recombas and Across Marketzne Mountains on the Pelly Ross and Gravel rivers, Yukon, and North-West Territor, and and with Mr. Ries "Clay and Shale Deposits of the Western provinces,
- E. M. Kixbia, B.A. M.Sc., Ph.D. invertebrate pulmontologist of the Geological Survey, wrote "The Onondega Fauna of the Allegheny Region," and other memoirs
- WILLIAM FREDERICK KING, C.M.G., PL.D., B.A., D.T.S., F.R.S.C., Dominion astronome. has been contributing to the -cientific literature of Conada for thats-five years. His works are to be found in the transaction ad the Royal Society of Can, do and of the Royal Astronomical Society of Canada, in the Astrophysical Journal and other scientific bubble is tions Among topics of his works are. "A Graphical Method of Predicting Occultations of Stars by the Moon," "The Dominion Observatory at Ortawa," "The Value of Science
- WILLIAM LYON MACKENZII, KANG, C. M. G., M. V., I.L. B., Ph. D., first Deputy Manister of Labora, wrote many papers and reports on economic and sociological subjects and a book.
- WHALAM KINGSTORD, C. E., LL.D., F.R.S.C., late of the Department of Public Werks, famed es a historian, also did great work for Canada - engmeer on her railways, canals and great bridges. His works include "History, Structure and Statistics of Plank Roads" "Impresstons of the West and South," "Catadian Carals, Their History and Cost," "A Catadian Political Coin," "Canadian Archaeology," "The Early Bibliography of Ortalia" and its magnum opus, "The History of Canada," in ten volumes





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- WHIPPON KHAN, I Rest of the collector of the form of New all methods are 219 als substituted the above. The first horselfth and after the dead of the greatest to the received no of the spice poems. The first miles highly were been were rich konneces and before distinct indige, a noteworthy solume. The Annal of New York
- S. Kimerennek, DDS, formerly Consider Truly Commonney to College On Spring various storic and poem and of evolune. The of the St. John
- Orio J. Krotz, LLD, C.F., D.T.S., I.E.S.C. explorer agreement attraction from Observators has embodied the result of a lifetime of observation and incomments of various people, and reports which have won't ered approximation from confirm as suntific bealts in other countries a well in this de Among the affect on Aberta. has written are "The Undograph" Photo Topon ophy Communic has t Made Bounday Survey," "The Burd of our Our barth in the Universe," and year of other The south sec.
- Day in Fann, late Indian Committation and ambied which of his great functions at the conrelations of white and red men in Canada in a circ of paper. Chir Indian Treat
- LANGESCO M. LAMBE, FRSC. Genela to poleonto control to Communical Services author of nomerous valuable seventille report, and papers, nels as The Vertela as a con-Oligorems of the Cypress Hills "and "Paleonised for his from the Albert Show of No.
- Anoministic Lamburg, FRSC, who spent the latter year of his all too brief fits servant, was probably the greatest of Canadian bean past. That he does not being new homeons and appropriation to be work each to ment a now a generally known that the place a constrat the greater Lagrish intentum is assured. Wherever the English language read, there his volumes "Among the Miller and fixing of hart," will be given given place in public fibrary and private book shelf
- V.C. Lywsox bulent of Pre-Cambrian geology, wrote for the Geological Survey On the Calogy of the Lake of the Woods Region," and "Report on the Geology of the Ramy I are
- W. W. Leven, B.Sc., made a study of the Crow's Nest and Blanmore end field, for the Carlogical Survey and published "Report on the Telkwa Valley
- SIG JAMES MACPHERSON TO MOING TREE impector of Julian Reserve and a treethe most timen of the many latterateur, who have spring from the ord, it, of Qualice His literary takints were devoted to natural and before displacet and be were made in A. Orinthologic du Carada, "say volume of the "Maple Leaves" series. The Tolaret Note Book ""Quebice, Rest and Present ""The Scot in New Leaves ""Chromen except St. Lawrence """Chromen except "".
- O. F. LaRoy, B.A. M.Sc. of the Godogical Survey mode a Preliminary Report on Portion of the Main Coast of British Columbia and Adjacent Island. Non-mooning New West numster Districts," and also wrote. The Goology and Ore Deports of Phoenix Bour
- WHITEM DAWSON LE STEER, BAY LL, D., I RSC HOLITON VESTS OF THE POLITIME DEPORT ment, has a proved record as a litterature. His contributions to Corodian a Clause. periodicals first demonstrated his powers as an essayist. "The Poetry of Matthe Armest "Bernardin de St. Pierre," "The Future of Morality, and other productions of rare excellence, dealing with widely varying subjects, proved the breadth of his literary scope Later, he turned his attention largely to Canadian history and delivered a memorable become on the methods and purposes of historic research before the Roy d society of Consular of which he was then president. His magnam opus in history is a late of William I on Mac-
- John W. Lernany, LL.B., of the Department of Marine and Fisherics Victoria BC (1 is no rently published a book of tales entitled, "Slave Stories," which has been cordially received

- EINAR LENDEMAN, M.E., of the Mines Branch, has recorded his investigations of iron deposits and resources in a number of valuable reports
- Sir William Logay, founder of Canadian geology, and of the Geological Survey, made numerous reports and contributions to scientific periodicals and learned societies. The results of his investigations are summarized in "Geology of Canada, 1863," a classic on Canadian geology. He also prepared a geological map of Canada, published in 1866, on a scale of 25 miles to 1 inch. Another of his works was, "Section of the Coal Measures as Developed at the Jorgus, Nova Scotia, from the Neighbourhood of West Ragged Reef to Minudic"
- ALBERT PETER Low, B.Sc., LL.D., lately Deputy Minister of the Department of Mines, is one of Canada's greatest living explorers. The results of his long years of research in the sub-Arctic regions are embodied in many official reports of great interest and value and his book, "The Cruise of the Neptune" tells the story of that famous expedition to Northern wilds to claim for Canada the islands of the iey seas. His "Report on Explorations in the Labrador Peninsula" is one of the most splendid of the records of the Geological Survey.
- J. A. MacDonald, of the Topographical Surveys, has written for the Canadian Engineer,, "Problems in Land Survey Work" and for the Ruilway Age Gazette, "Simple Method of Obtaining Time and Azimuth."
- Thomas MacFarlane F.R.S.C., late of the Geological Survey, and Departments of Customs and Inland Revenue, was a pioneer of the Imperial Federation propaganda and aided it strongly with his pen. He was also the author of, "To the Andes"—the account of a tour of exploration, and of "Metallic Currency of the British Empire."
- George C. Mackenzie, B.Sc., of the Mines Branch, has written numerous reports and articles regarding iron deposits in Canada and their utilization.
- WILLIAM MACKENZIF, secretary of Imperial and Foreign Correspondence in the Privy Council Office, long and popularly known as a journalist, has recently published his reminiscences of Canadian public affairs in a series of articles of absorbing interest.
- James M. Macota, C.M.G. of the Geological Survey, has embodied results of more than thirty years of exploratory work in all parts of Canada in many official reports and papers and in articles in the journals of the Canadian Forestry Association and the Ott, wa Field Naturalists Club. Among his works are "A Check List of Canadian Plants." and (with John Macoum) "A Catalogue of Canadian Birds."
- JOHN MACOUN, F.L.C., F.R.S.C., naturalist, of the Geological Survey. Canada's great botanist, has prepared many important works on that branch of science. He is the author of, "Manitoba and the Great Northwest," "The Forests of Canada," and other monographs, also a standard "Catalogue of Canadian Plants."
- William T. Macoun, horticulturist of the Central Experimental Form, has contributed valuable articles on natural science to the "Ottawa Naturalist" and other publications.
- ROBERT G. Macriberson, postmaster at Vancouver, B.C., is a contributor to the Canadian Magazine and other periodicals.
- CHARLES MAIR, F.R.S.C., of the Dominion I ands office at Lethbridge, has been known as a poet and author for more than forty years. His works include, "Dreamland and Other Poems" "Tecumsch," "The Last Bison," "Through the Mackenzie Basin," and "Canada in the Far West," His work is declared, by eminent critics, to be of the highest standard. He is still writing.
- WYATI MALCOLM, M.A., of the Geological Survey, is the author of, "Oil and Gas Prospects of the Northwest Provinces of Canada."
- G. S. Malloch, B.A., B.Sc., assistant geologist of the Geological Survey, has written "The Bighorn Coal Basin, Alberta," and "The Groundhog Coal Basin,"
- Charles H. Masters, M.A., K.C., reporter in the Supreme Court, edited "Canadian Appeals to the Privy Council," and is the author of "The Manual of Supreme Court Practice."

- George F. Matthew, M.A., ILD., D.Sc. F.R.s. formerly surgeyor of Customs at St. John, N.B., is a geologist of wide fone and has emitthent there is tieles on the geology of the Matthew Provinces to leading securific jour extended to the recommendation Geological Survey. Among his works are "Tidal Erosion at the Burnel I andy," "A Vallage of the Stone Age at Bocabee," and "Impressions of Cuba.
- James J. McArtin R. D.I. S., assistant International Boundary Commissioner, is the author of "Photo-Topography and Its Development."
- R. G. McCoxnern. B.A., of the Geological Survey, is a high authority on the geology and mineral resources of North-Western Canada, and his contributions on this subject to the scientific literature of Canada are regarded as standard authorities. He is the entropy of Exploration in the Yukon and Myckenzie Basins," and of "Report on the Klondike"
- T. A. McCord, LL.B., late law eleck of the House of Commons, was the loution of "Errors in Canadian History," and of "A Handbook of Canadian Dates."
- John McDonnell, B.A., of the Geodetic Survey, wrote "On Quadratic Residues" (or the American Mathematical Society
- F. A. McDrammo M.A., of the Dominion Observatory wrote "Determination of the 141st Meridian," and other articles for scientific journals,
- John Lorn McDougall, C.M.G., late Auditor-General, wrote able papers on financial problems, including one for the British Association.
- Anthony McCine, B.A., B.Sc., LL.D., F.R.S.C., chief analyst, Department of Inland Revenue, has written many papers and chemical treatises for learned societies and publications. One of his notable productions is "Viscosity in Laquids and Instruments for its Measurement,"
- WM. McIxxes, B.A., F.R.S.C., geological and explorer for the Geological Survey, wrote "Report on Part of the Northwest Territories Drained by the Winsk and Attawspisk it Rivers." also "The Basins of Nelson and Churchill Rivers."

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- Avots McKay, superintendent of the Dominion Experimental Farm at Indian Head, Saska, has written and lectured on, "Tree Planting," and on "Good Seed on I Clean Framus," subjects of paramount importance in the West.
- J. A. J. McKenna, LL.D., Inspector of Indian Schools in the West is the author of "The Hudson Bay Route," "Sir John Thompson," and other monographs.
- SIMON J. McLEAN, B.A., LL.B., Ph.D., Dominion Railway Commissioner, has contributed special articles to different publications and is the author of "An Lorly Chapter in Quebec Railway History."
- EDMUND A. MEREDITH, M.A., LL.D., first Deputy Minister of the Department of the Interior, wrote freely on socielogical, economic and other topics, his works including "An Essay on the Oregon Question" "Friendless and Neglected Children," "Compulsory Education in Crime," "Emendations in Shakespeare," "National Language and National Manne)s." Miss Dix, Philanthropist," and other papers and pamphlets.
- Enward Mixer, late Commissioner of Inland Revenue, contributed frequently to the Canadian press. His most noted production was entitled, "Various Forms and Functions of Government."
- James Mills M.A., I.L.D., Deminion Railway Commissioner, is the author of "The First Principles of Agriculture" (Thos. Shaw, collab.).
- Freederick Monrizambert, L.S.O., M.D., F.R.C.S.E., D.C.L., Director General of Public Health, has written many authoritative papers on Quarantine, Vaccination Samuation and all a topics.
- HENRY J. Morean, LL.D., F.R.S.C., who spent many years in the civil service, was the greatest compiler of biographical information Canada ever had. His "Canadian Mer and Women of the Time," became a standard work of reference from the day of its first publication in 1898, and the later edition, 1912, is a still larger and more valuable work. Dr. Morgan also wrote much on lustorical and political subjects and upon the natural attractions of Canada.

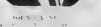












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SECRETARIES OF CUSTOMS AND POST OFFICE ASSOCIATIONS

- Robert M. Morsikhwell, M.A., of the Dominion Observatory, is the author of "Conset 1908 e
- Thomas Mullyky, B.A., K.C., Under Secretary of State, was one of the founders and a leading contributor to the Canadian Magazine. He has published "The Carollian Stapping
- Marcus Menney, C.E. Disc. of the Transcontinenal Radway. Edmonton has written for professional publications and won a medal at the World's Pair of 1893 for a treatise on
- A. Municyy, an early enthusiast of the G. ological Survey studied the stratigraphy of the some mentary formations of Ontario, upon which he ande numerous reports - it is results are
- D. H. Nitta's, D.L.S., of the Geodetic Survey, is the author of "Precise Level Results in the Yukon," and other works on engineering subjects
- Byrox Nienorsox of the Senate staff is a versatile writer, and his productions melade "The Ethics of War, "The Diffeence of Literature," "The Resources of Canada," Impressions Abroad," "The French-Canadian," "In Old Quebec," and other prose works—, lso a volume
- D. B. NUGEST, M.A., of the Dominion Observatory, wrote "Personal Errors of Bisection in
- GARRETT O'CONNOR of the Ruilway Mail Service, is a gilted Celt, whose verses have been welcomed by periodical nablications whenever offered. Mr. O'Comer is the engineer of the idea of building an international memorial bridge at Niegary Fills to relative the hundred years of peace between Canada and the United States,
- WILLIAM OCHAR F.R.G.S., a truly great explorer and the beroic figure of the Yulion gold cash, wrote many splendid reports of his toil and victories in the remote regions of Aleska. gal sexerel monographs stolers "In the North Western Wilds" and "Down the Yakon His posth more work "barly Days in the Yukon," is one of the great records of selection
- Noel, J. Ogllyte, D.L.S., of the International Boundary Survey, is the author of "The South-
- FRANCIS CHARLES TRENCH O'HARA Deputy Minister of Trade and Commerce, during the career in journalism which preceded his entry into the civil service, contributed many slort stories, sketches and special orticles to Canadian and American periodicals. He is also author of the book "Snapshots from Boy Life."
- James Macdonald Oxley, LL.B., resigned a position in the Department of Marine and Fisheries to devote himself to literature and has become one of the great writers of modern bools of travel and adventure. A score of his books may be found in any good public library.
- Thomas H. Parker, B.A., of the Dominion Observatory, wrote "The Orbit of W. Ursue Majoris,"
- Hon, J. C. Patterson was a civil servant before he became M.P. Cabinet minister, and Lieutenant-Governor of Manitoler. He was one of the founders of the Canad an Magazine, and
- Thomas C. Patterson, late postmaster of Toronto, was a voluminous writer as correspondent and editor of leading newspapers and was the author of the pamphlet. "The Race for the
- Major William M. Patterson, formerly postmaster and collector of Customs at Frelighsburg. Quebec, soldier and horticulturist, has written authoritative works on historical subjects and
- John S. Plaskett, B.A., F.R.S.C., stronomer, is a prolific writer on astronomical and allied scientific subjects. Among his works are, "The Character of the Star Image in Spectro-

- graphic Work." "Probable Errors of Radial Velocity Determination," and "The Solar Rotation in 1912."
- Su, Jos en Porg. K.C.M.G., C.V.O., L.S.O., Under Secretary of State for External Afters, has been recognized as one of Canada's great biographers since the publication of that notable work. "Memoirs of the Rt. Hon, Sir John A. Macdonald," Besides this splendid production, Sir Joseph is the author of "Jacques Cactier, His Life and Voyages," "Confederation" "The Royal Four of Canada," "The Dawe of Astronomy". The Flag of Canada," and other works, each an admirable treatise of its subject and a source of added credit to the distinguished author.
- W. F. R. Perston, who formerly represented Canada as Immigration Commissioner and Frade Commissioner in Europe and the Orient, won a medal of the Society of Arts, London, by his essay "French-Canadians and their Relationship to the Crown." He is now engaged upon a memoir of Lord Stratheona.
- Elwyrm Erycst Prince, LL D., F.R.S.C., Commissioner of Fisheries, is the author of "Colours of Animals," "Fishing Industries and Resources of Canada," "After-Gleams from Onebee Battlefields," and of scientific reports and papers too many to mention.



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- J. L. Rannie, B.A.Se., D.T.S., of the Geodetic Survey wrote, "The Geodetic Survey of Canada" for the transactions of the University of Toronto Engineering Society.
- F. B. Reid, B.A.Sc., of the Geodetic Survey, is the author of "Precise Levelling in Canada" published in the Journal of the Royal Astronomical Society of Canada.
- LEOPOLD REINECKE, of the Geological Survey, has contributed to the memoirs of the Survey and to the bulletin of the Canadian Mining Institute. He compiled "The Bibliography of Canadian Geology."
- J. Richardson of the Geological Survey made exhaustive studies in the geology of the Gaspé pennsula, of other parts of Quebec and of western British Columbia. He wrote "On the Coal-Fields of Vancouver and Queen Charlotte Islands," "On the Coal-Fields of the East Coast of Vancouver Island," and "On the Coal-Fields of Nanaimo, Comox, Cowichan, Burrard Inlet and Sooke, British Columbia."
- C. Robb, of the Geological Survey, published results of his researches in "On the Coal Mines

of the Lastern or Sydney Coal-Field of Cape Breton, Nova Scotia." and "Explorations and

- LLOYD ROBLETS of the Immigration Branch Department of the Interior is a rising writer of verse and short stories. His productions have appeared in many periodicals and his collected verse is to appear in a volume entitled, "England Over-Sca-
- HENRY H. ROBERTSON K.C., special examiner in the High Court of Justice at Hamilton has written some valuable historical monographs, including, "Titus Simons Quartermaster," "Burgoyne's Loyal Americans," and "The Gore District Militia.
- SYDNEY ROE, secretary to the Minister of Customs, still does literary work of the style which won him an enviable reputation before he entered the service. He contributes in prose and verse to different publications and is well known to many readers as "The Mace, '
- Compos Rootes of the Department of Agriculture, poet dram, tist story-writer and carroonist, is well known to readers of magazines everywhere for the brightness and variety of his contributions. The pages of the Civilian have often been enriched by the work of
- Legar.-Cor. S. C. D. Rober, late of the Census, contributed to scientific periodicals and founded
- Richs Roy, of the Department of Marine and fisheries is the of the sharing lights of French-Canadian literature. Short stories and descriptive sketcles of the days of the Old Regime from his pen, won envisible toyour and he has turned his attention to the dramatic field with equal success. Among his productions of the latter class and "On Demande un Acteur," "Ites Consultations Gratuites," "Nons Divergens" "It Premier Prix " and a
- Frederick Floward Molanet v St. John (late gentleman usher of the Black Red, was a soldier who turned journalist. He was sent by the Toronto Glebe as special correspondent with the Wolseley expedition to the Red River in 1870, to quell the uprising there. His letters are of great historical value. As the result of a mission with Lord Du9ctin's party on his visit to British Columbia in 1877, he produced a book, "A Sea of Mountains," Piewas the author also of "Under the Mistletoe," and other society plays,
- EDWARD SAPIR, Ph.D., ethnologist of the Geological Survey, has written, "Abnormal Types of Speech in Nootka," and "Noon Reduction in Cemox a Salish Longu go of Van-
- WILLIAM SAUNDERS, C.M.G., I.L.D. FRSC, for many years Direct v or Demanior University mental Parms, wrote a great deal on topics connected with scientific agriculture. Much of his work is to be found in "The Canadian Entemologist" which be colded for that on vens. His bool, "Insects Injurious to Fruit" has gone through several editions
- PALE MARIC SALVALLE translator, Department of Mines, is the author of "La Loi de Concili-ation," "Manuel des Assemblées Delil érantes," "Louisia... Mexique, Canada " and other
- Hugu S, de Schmid, M.E., of the Mines Branch, is the author of "Mica; Its Occurrence, Ex-
- DUNCAN CAMPBELL SCOTT, F.R.S.C., Deputy-Superintendent-General of Indian Affairs Las added greatly to the volume and richness of Canadian literatic — His volume of poems.— "The Magie House," gave him place in the front rank of poets, and his letter works have demonstrated the continuing truitfidness of his gift of peest. "Labeur and the Angel," and "New World Lyries and Ballads" are worth, successors to the earlier solung. In fiction his name is borne by "In the Village of Viger," and in history he is known by his "Life of Simcoe." Many short stories and poerus from his non are to be found in the
- A. R. C. SELWYN, C.M.G., LL.D., F.R.S., F.R.S.C., etc., who succeeded Sir William Logan as Director of the Geological Survey, was the author of "Report on Ex-

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- plorations in British Columbia," "Report of Observations on the Stratigraphy of the Quebec Group and the Older Crystalline Rocks of Canada," "Notes of a Geological Reconnaissance from Lake Superior by the English and Winnipeg Rivers to Fort Garry," "Notes on the Geology of the Southeastern Portion of the Province of Quebec," and of other scientific works of like note and value.
- ADAM SHORTT, C.M.G., M.A., LL.D., F.R.S.C., Civil Service Commissioner has written much on economic and historical subjects. Noteworthy among his productions are, "Imperial Preferential Trade from a Caradian Point of View" "Lord Sydenham," and "Documents Relating to the Constitutional History of Canada."
- F. T. Shutt, M.A., F.I.C., F.C.S., F.R.S.C., Dominion Chemist, has written much concerning the subjects of his investigations. Among his works are "The Purification of Peaty Waters by Freezing," "The Mineral Constituents of Ottawa River Water," and "The Nitrogen Compounds in Rain and Snow."
- HARLAN I, SMITH, archæologist of the Geological Survey, has written "Archæology of the Thompson River Region, British Columbia," "Archæology of the Gulf of Georgia and Puget Sound" and other memoirs.
- William Smith, B.A., I.S.O., of the Archives, formerly of the Post Office Department, is an authority on colonial history (a.d has written numerous articles on historical subjects for publication in England and the States as well as in Canada.
- L. J. R. Steckel. C.E., late of the Department of Public Works, wrote many essays and papers on engineering and scientific topics which won him bonour in Europe as well as in America.
- CHARLES H. STERNBERG, M.A., collector, of the Geological Survey, has added to his lectures and reports a volume, "The Life of a Fossil Hunter."
- ELIHU STEWART, D.L.S., late chief of the Forestry Branch, Department of the Interior, numbers among his works "The Forestry Problem in Canada," "The Establishment of Fur Farms," "Forests and Water Supply" and "The Mackenzie River Territory."
- R. M. Stewart, M.A., C.E., superintendent of the Dominion Time Service, has written, for the Journal of the Royal Astronomical Society, a number of articles, including "Personality with the Transit Micrometer," "A New Form of Clock Synchronization," and others.
- R. F. STUPART, F.R.S.C., Director of the Magnetic Observatory at Toronto, has written, among other scientific articles and reports, "The Chinook in Southern Alberta," and "Barometric Pressures and Weather Types."
- Benjamin Sulte, F.R.S.C., formerly of the House of Commons and the Department of Militia and Defence is another of the great littérateurs of French Canada who have likewise done good work as civil servants. Mr. Sulte won his literary spurs long before he entered the service and every year of his long career has added something to his laurels. History and poetry have inspired his pen and his collected works would "form a small library." Among his scores of books, pamphlets, essays, reviews and other productions may be mentioned, "Les Laurentiennes," "Les Chants Nouveaux," "Histoire des Trois-Rivières," "Histoire des Canadiens Français," "Pages d'Histoire du Canada." "The Origin of the French-Canadians," "History of the Province of Quebec," and "La Bataille de Chateauguay."

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- "The Poet Low Rate" is the sobriquet of a versifier whose contributions to the Civilian never fail to attract attention. His methods of treatment are as varied as the subjects that he chooses, and soher counsel and sharp criticism are, alike, clothed by his pen in racy garb.
- J. M. SWAINE, assistant Dominion entomologist, has charge of the work of the Division of Entomology in regard to forest insects and has written monographs and papers on that subject, both for scientific organizations and for general public information.
- MGR. Cyprien Tanguay, Lit.D., F.R.S.C., distinguished as a prelate and genealogist, was for many years on the staff of the Department of Agriculture, being chiefly employed in investigations connected with the Archives. Besides many official reports, he wrote "Le Répertoire du Clergé Canadien par Ordre Chronologique," and "Dictionnaire Généalogique des Familles Canadiennes, depuis la Fondation de la Colonie jusqu'à nos Jours."

JOSEPH TASSÉ, F.R.S.C., sometime translator on the House of Commons staff, was the author of a number of works of note, including "Philemon Wright on Colonisation et Commerce de Bois," "Le Chemin de Fer Canadien Pacifique," and "La Vallée de l'Outaouais,"

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- John Thornton, M.A., LL D., late librarian of the Geological Survey and Civil Service Examiner, wrote freely on e lucational and literary objects and his works are highly valued
- W. MAXWELL TOBEY, M.A., D.T.S., of the Geoletic Survey, is the author of "Geodetic Results and Their Practical Menning," and "An Abridged Method of Latitude Computation."
- ALPHEUS TODD, C.M.G., LL D., F.R.S.C., first Librarian of Parliament, was the author of several famous works on constitutional government, meluding "Parliamentary Government in England," and "Parliamentary Government in British Colonies," After his death, his son Lieut. Col. A. H. Todd, also of the Library, edited and published new editions of these works.
- James B. Tyrrill, C.E., D.L.S., form rly of the Geological Survey, published, in addition to official reports of his extensive explorations and surveys in the Lake of the Woods region, and around Hudson Bay, a noteworthy book entitled, "Across the Sub-Arctics of Cana by"
- H. G. Vennor, of the Geological Survey, summarized his researches in the work, "On Explorations and Surveys in Frontenac, Leeds, and Lanark Counties, with notes on the Plumbago of Buckingham, and Apatite of Templeton and Portland townships, Ottawa
- Myracew F. Walsh was formerly well known to Canadian magazine and newspaper readers for his writings under the nom-de-plume of "Brannagh."
- Henry McDonald Walters, of the Department of Public Works, published, several years ago, a volume of "Civil Service Jingles," which, with his contributions to different periodical publications, gave evidence of a literary gift equalling his well-known histrionic abilities.
- "Silas Wegg" is the non-de-plume under which a well-known civil servant insists on hiding his identity. He writes in a quantly original style and his fortnightly contributions of humorous philosophy are a never-failing source of pleasure to the readers of the Civilian.
- A. O. Wheeler, F.R.G.S., of the Topographical Surveys, is the author of "The Sell,irk Range" (in two volumes), and of a paper on "Photographic Methods Employed in the Canadian Topographical Surveys," read before the International Geographical Congress.
- James White, C.E., F.R.G.S., F.R.S.C., assistant to the chairman of the Commission of Conservation, has published many works on geographical, topographical and allied subjects, among them being, "Altitudes in Canada," "Maps and Map-making in Canada," "Atlas of Canada," "The Ashburton Treaty," "The Oregon and San Juan Boundaries," "The Labrador Boundary," "Place Names in Ontario," and many others.
- ROBERT S. WHITE, collector of Customs at Montreal, is the author of "The Canal Tolls Question," The Newspaper of the Past and Present," and numerous papers on trade topics.
- LIEUT.-Col. WILLIAM WHITE, C.M.G., late Deputy Postmaster General, was the author of "The Annals of Canada," and also prepared the "Post Office Gazetteer,"
- Joseph F. Whiteaves, F.G.S., F.R.S.C., paleontologist of the Geological Survey, wrote numerous papers and treatises for learned societies and scientific publications and contributed many valuable volums to the publications of the Survey. Of special interest are his reports on fossil remains in the regions of Lake Winnipeg, the Queen Charlotte Islands and the Mackenzie basin.
- G. W. Wicksteed, Q.C., who was Law Clerk to the Parliament of Canada from 1841 to 1867, was a frequent contributor of both prose and verse to Canadian periodicals. His poems were published in book form under the title, "Waifs in Verse."
- PZEKIEL STONE WIGGINS M.D., during his long connection with the Civil Service, devoted much attention to meterological and astronomical research and his fame as a "weather prophet" was nation-wide. His published works include "The Architecture of the Heavens," "The Days of the Creation," and other books.

A. W. G. Wilson, B.Se., Ph.D., of the Mines Branch, is the author of "Geology of the Nipigon Basin, Ontario," "The Copper Smelting Industry of Canada," and other works.

M. E. Wilson, B.A., assistant geologist of the Geological Survey, has written "Geology and Economic Resources of the Larder Lake District, Ontario, and Adjoining Portions of Pontiac County, Quebec," and "Geology of an Area Adjoining the East Side of Lake Timiskaming, Quebec,"

W. J. Wilson Ph.B., assistant geologist and paleontologist of the Geological Survey, is the author of "Report on a Portion of North-western Ontario, in the Districts of Algoma and Thunder Bay," and of "Geological Recon aissance along the line of the National Trans-

continental Railway in Western Quebec."

George A. Young M.Sc., Pa.D., F.G.S., of the Geological Survey, has written many valuable reports, also "A Descriptive Sketch of the Geology and Economic Minerals of Canada."

Reynold K. Young, B.A., LL.D., of the Dominion Observatory, has written for the Lick Observatory Bulletin series on "The Polarization of Light in the Solar Corona," and other

ROBERT E. YOUNG, D.L.S., superintendent of the Swemp Lands Branch. Department of the Interior, was the author of "Canada's Fertile Northland," and offer works dealing with the agricultural resources of the Dominion.

### Culled from "Civilian" Pages

Of civil service writers,—poets and philosphers.— the Civilian claims several as its own by right of discovery and also because of their unfaltering adegiance to this publication. Among these are "The Poet Low-Rate" "Silas Wegg." and Jack Cadden. Culy in Civilian columns is their work to be found.

Last summer "The Poet Low-Rate" took up the "clothes question," and this is what he had to

say about it:

## Risque Garb and Risque Rhyme

Dedicated to the College of Prudes by a member of the "Satanic School,"

"Little girl you look so small, Don't you wear no clothes at all? Don't you wear no shimmy-shirt. Don't you wear no petty-skirt, Just your eor ets and your hose— Are those all your underclothes?"

Little girl you look so slight When I see you in the light. With your skirts cut rather high Wont you catch a cold and die? Aint you 'fraid to show your calf? It must make some fellers laugh.

Little girl what is the cause Why your clothes is made of guaze? Don't you wear no undervest When you go out fully dressed; Do you like those peek-a-boo's 'Stead of normal underclothes? Little girl your spenders show When the sunlight plays on you. I can see your tinted flesh Through your little gown of mesh. Is it modest, do you s'pose Not to wear no underclothes?

Little girl your socks has shoals
Of those little tiny holes.
Why you want to show your limb
I don't know— is it a whim?
Do you want to eatch the eye
Of each feller passin' by?

Little girl I see your chest 'Cause you go around half dressed. Yes, I see way past your throat To a region most remote: T'aint my fault now, don't suppose; Why not wear some underclothes? Little girl where is the charm In your long uncovered arm In the V behind your neek. Is it there for birds to peek? Little girl, I tell you those, Aint so nice as underclothes.

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Little girl now listen here, You would be just twice as dear If you'd cover up your charms. Neck, back, legs and both your arms I would take you to the shows If you'd wear some underclothes.

Little girl your mystery Luring charm and modesty. Is what makes us fellers keen To possess a little Queen; But no lover—goodness knows— Wants a girl sans underclothes. S'pose I wandered down the street With a loin-cloth 'round my feet; S'pose I wore some harem pants Or no shirt, like all my Aunts, Or a ringlet through my nose, They'd arrest me don't you s'pose?

I in t wear a coat of mail.

'Less I want to go to jail;
I must cover up my form

Even when the weather's warm;
Can't enjoy the swimmer's throes
'Less I garb in underclothes

Little girl take this advice And you'll look just twice as mee; Wear a shimmy -petty-cout, Closed-work socks --et mussi Poutre Chose --unspeakable -you see There's a charm in lingerie.

Of course even a "Poet Low-Rate" cannot please everyone and his sentiments on "garb" were not unanimously endorsed in the Civil Service. There was criticism, —also a reply, which

#### Sartor Resartus

A Lattic Girl's Reply to "Risqué Garb and Risqué Rhyme."

Little man, if I could find
That the motive of your mind
Which inspired your risqué rhyme
Was in som degree sublime
Some expression of your heart
Not expressly to be smart;

If your purpose seemed to me Censure in sincerity. That plain virtue might alone For your verses' vice aton a Which is plainly, as I see. Metrical immodesty.

But no hint of hand I find Caustic chiefly to be kin-I; In no line is kindness seen. Since the motive lies between. Coarse may be the grain and chaff, If the sower raise a Lyugh.

If a little girl must be Sport for his pop-zumnery, If the mail-clad poet's wit Male-clad follies cannot hit, Chivalry might will, for ooth, Point his goose's quill with Truth. And the truth is, little man, Not fill now, since Dress began. Have the clothes of womankind Simply, sensibly combined All that now they do embrace; Comfort, freedom, health and grace.

Slipped the shackles are at last Of the bondage of the past; Compress corsage, weighty skirt, Dragged, perforce, in dust and dirt,— Every overdressing ache Borne for man's convention's sake.

Women have outgrown the stage Of their great-grandmothers' age, When a maiden blushed to see — (Conscious of her prudery)— In the presence of her beaux, Half an inch of home-spun hose!

Beauty walks abroad to-day Linked with Nature, in the play Of each free and lissome limb; Naught immodest is to him Who, with an untroubled mind, Only beauty seeks to find. Little man, it is your sex Who their own conventions vex. When they strut less nakedly, Posing, by the summer sea, For our glances, on the beach,— You may be ordained to preach.

In your philanthropie "throes" You would take us to the "shows," Where Miss Décolletée in tights Male propriety delights, Or Miss Gauzy Barefeot dances In the light of first-row glances. Unlined "flannels;" ditto "sack;" Zephyr shirt on brawny back; B.V.D's, (perhaps); a beit; Silk socks; pumps; a two-ounce "felt" Tops the haberdasher's tale This your brave "warm weather mailt"

O, my "belted" summer knight! In your modest armor dight, When at little girls again Rough you ride with poet's pen, Bear this line en souvenance; HONNI SOFT QUI MAL Y PENSE.

Jack Cadden is at his best when he sings of his own every-day life,—that of a Railway Mail Clerk in the Prairie Provinces. The heart of every man who knows railroading in general, and the Railway Mail Service in particular, respends to such word-picturing as this:—

#### Bucking Snow

Though I am no craven coward, yet I beg to introduce To your notice a performance that would furnish an excuse, If I sometimes felt the shivers crawling up my vertebra, Whilst I twitched a sickly snigger o'er a face as white as clay:

I refer to bucking snow, When it's forty odd below, And the throttle's standing open Just as wide as it can go.

Yes, I'll own, nor blush to say it, that I show the yellow streak When we're hiking through a blizzard o'er the prairies black and bleak, When the headlight's on the hummer and the drift is on the rails, And we're waiting, always waiting, for the bump that never fails.

Beastly business, bucking snow When your nerves are all ago, And the presence of the grab-rods Is the only balm you know.

It's hard to quit the gravel for the comforts of the ditch, When, for just a single moment all creation starts to pitch, But I'd ten times rather have it, (though you'll say it's going some), Than to sit and hold the air-brake, heading straight for Kingdom Come!

So I "pass" at bucking snow.

So I "pass" at bucking snow, It's a game that's far from slow, But it has its little drawbacks, And I guess I ought to know!

Many magazines besides the Civilian have been glad to publish lines from the pen of Lloyd Roberts,—lines ever clean in word, thought, phraseology and moral. On the following page is a sample:

### Young Blood

They took me from forests and they put me in the town. They bid me learn the wisdom the wise men bave laid down

To put by my childish ways And forget my Golden Days,

With my feet upon the ladder that runs up to high renown.

So I would not hear the voices that were calling day and night. And I would not see the visions that were ever in my sight:

But I mingled with the throngs, Heard their curses and their songs,

And watched the brumming glasses lift to eatch the yellow light.

But I was not meant to wander where the wild things never came. Where the night-time was like day-time and the seasons were the same

Where the city's sullen roar Ever surged against my door,

And the only peace was battle and the only goal was fame.

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For my blood pulsed hot within me and the prize seemed wondrous small. And my soul cried out for freedom in a world beyond a wall

Oh, fame can well be sung By those no longer young.

By wisdom, age and learning, but youth transcends them all.

So I'll let the spring of life well up and drown the empty quest. And I'll watch the stars more bright than fame gleam red along the crest;

And taste the driving rain Between my lips again.

And know that to the blood of youth the open road is best!

Strong sentiment ever inspires the muse of Garrett O'Connor,- another Railway Mail Clerk.

Joy, anxiety and grief alike impel his powers. A recent Yule-tide drew this, truly "from
the heart" of the writer:-

## A Christmas Wish

We greet you all, and wish you from our heart Peace, love, health and happiness to-day. May Heaven's smile rend each dark cloud apart, And may He shed o'er all a glorious ray. All filled with blessings for His children dear; With comfort for the cold and homeless poor;

With comfort for the cold and homeless poor; With hope for those whose lives are grey and drear. With strength fc: sinners that they err no more.

O may His blessing fall on everyone:
The rich, the poor, the criing and the sad:
May joy reign all around and care-begone,
And every sore and aching heart be glad.
We wish you joy, peace, plenty, unity;
We wish all mortals to be blythe and gay

God's blessing with you all forever be— To every one a happy Christmas Day. "Silas Wegg" also possesses a handy knack of turning out verse, and when he chooses to exercise this faculty, Civility reads: have an extra treat. His verse is not dispensed "At the Sign of the Woolen Lig". It he har halfs nor himps and it possesses the proper number of feet in every line. Here is a sample

### Afternoon on Parliament Hill

Fompkins, let us rest a little, while as yet the sun is high, Rest and talk about the doings in the days now drifted by

Here about this Hill we wandered, forty years or so ago strong of limb and clear of vision, each considered quite a beau.

Now we carry canes to lean on; then we twirled them in the air, snipping off the heads of daisies -just as Time has snipped our hair.

You and I have seen great changes through the years' kaleidoscope, since we signed the Book of Service with the golden Pen of Hope;

Seen and suffered many changes, reached the point where days are short. Filed our final memorandum, pigeon-holed our last report.

Smith and Mack and Tom Maguire shared our early joys and pains; Smith is silent 'mid the shadows, Mack is ditto, Tom remains

At his desk a breatlang shadow, alien to his fellows' ways, Still too poor to take his pension, now too old to get a raise.

Smith was cousin to a Member, married Mary What's-her-name. Took the elevator upwards, yet he always staved the same

Good old Smith who loved his story and his pipe at four o'clock. What a fund of jests he gathered, yet he never spared his stock!

From his pipe he dug the dottle to surmount his second smoke. So the tale he told would furnish primings for a richer joke.

Yes, he took a glass too many oftentimes, yet he would say, Ha! Ha! 'We need our glasses if we would enjoy the play."

I'll admit he had his blue days when he kicked the desks and doors. For a m m has lights and liver, and the latter sometime scores.

He was not a three-star genius, with "credentials sent herewith." Yet I liked to work beneath him just because he was old Smith.

Poir old Mack, he never prospered,—both ends never seemed to meet.—Had a healful of strange knowledge, but his boots were full of feet.

He was batty on inventions, never passed a door-knob by Without wondering what adjustment he could make or simplify.

Secret springs controlled his cupboards, hidden levers raised his chairs: There was danger in his ink-well if you touched it unawares.

He could take a clock to pieces, and replace the pieces too, But his clock of daily duties never seemed to run quite true.

Mack could never see it clearly that there's something out of gee If your own clock says four-thirty when the office clock strikes three.

So he mooned, and mourned, and muttered, till we mourned and bore him hence in a simple old-style coffin with no patented defence.

I've at home a rule he made me, full of figures on the back I can measure nothing with it save the memories of Mack

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Once he watched me through a tever when the fight with death was hard Chalk it up.—that time he measured sixty inches to the yard

Gone! And Tom Magnire lingers adding up his column still. With his eyes upon the figures, but his thoughts beyond the Hill

Noisy juniors all around him by machinery calculate, But he adds as did the gentry, put down six and carry eight

He will pass and be forgotten,—two months' salary paid his win I shall pass, another pension cancelled,—and another life

Fompkins, there are many towers built since you and I were young And on each a tattered ensign seems to-night at half-mast flung

On the towers yet unbuilded flags shall fly when we are dumb. But the winds that shall unfurl them, no one knows whence they shall com-

# "At the Sign of the Wooden Leg"

No sign is more eagerly sought for than that of the "Wooden Leg." which, appearing at the top of a Ctyniax page, indicates where its thousands of remotes may receive their fortugality treat of fun and philosophy. There, and then done, may the minutable "Suas Wegg" be met. Silas usually "takes his text" from some passing event. For instance, when the Royal Mint was closed to the public during the month of August, 1912, he delivered

### About the Mint

The Royal Mint at though I have never been a che at a Transider the closing of it, for even a month, as a great grievance. Worried on all staces, as I have been, by the High Cost of Living, I have always not perform its aerobatic feats, one counter at which I could get a dollar's worth for a dollar, ready to make mint's meat of any intruder. And Jorkins tells me that they have minted a I asked Jorkins if the dog would grant no quarter "No," he replied, "you couldn't get a five-tent say. I do not incline to this opinion of him. Jorkins says that he enjoys reading my articles in The Civilian.

However, I am not writing a treatise on Jorkins. The Mint is closed? The public may stamp its foot but the minters will go on in screecy stamping their heads and tails. No, dear notice I how prone we are to get angry because of the placing of "No Thoroughfare" signs on can lid ites in getting votes at a municipal election. We Englishmen are great at standing on our rights, an I the greatest of all our rights is the right to a grievance. And so it makes my care I that they have to make repair—? Do I deny myself to visitors because the plumbers are in the bath-room? Do I—

Here I was interrupted by Mrs. Wegg, who asked me to go across the street and tell Mr. Slocombe to stop running his lawn-mower until our baby was asleep. Slocombe was somewhat huffy and told me that his grass was his own, his lawn-mower was his own, that his ideas of when it was proper for his lawn-mower and his grass to come into conjunction were his own, and that I was—but Slocombe is a pig.

An adequate appreciation of one's rights is necessary to the well-being of the individual. I regard this as fundamental and—

You must excuse the disjointedness of this essay of mine, but Mrs. Carlisle, who lives next door, came in in the middle of my sentence, just as I was about to collar a six-foot adjective, with some trivial story about young Silas throwing a stone through her front-window. I sometimes wonder if people like Mrs. Carlisle ever think that a man craves privacy at times.

I have been on the trail of that adjective for an hour now since Mrs. Carlisle left. I nearly caught it between the leaves of a Dictionary of Synonyms, but it slipped through an hiatus which the printer had carelessly left on the page. I will have to take a fresh start.

What is a life without a grievance? I knew a man once who never had one. We called him Peter the Patient for sake of alliteration and to keep him distinct in our minds from St. Peter. His real name was Romeo Spooks. He did not consider that a grievance. Not day ever got his mail by mistake. He had red hair for twenty-nine years and then went bald. He wore red whiskers after that, and then we knew that he was colour-blind. His wife left him when the whiskers came, but he never turned a hair. He became a civil servant just before his thirty-fifth birthday. Surely, we thought, he will have a grievance now. He died the day after he took the oath of office. His life was, except for his whiskers, colourless. He had no friends because no one could argue with him. He assented to everything you told him. He paid his rent and his taxes regularly, gave tithes of all he possessed, read the Weekly Witness on Saturday nights and went to church three times on Sunday, but the red corpuscles had all gone to his hair. He was useful, in his sphere, but I like men with a touch of ginger in them, I do.

Another interruption! Mrs. Wegg wished to know it I intended filling the whole house with the fumes of that French-Canadian tobacco. Well, I suppose, I must finish this article without my pipe.

The Mint is closed! There are grievances which it is wise to ignore—and a man sleeps better for his abstinence from tobacco. But this closing of the Mint is on my nerves. It looks like sheer impudence, like mint sauce, if I must say so, and we must be of the nature of sheep to be served so. The next thing we will be hearing is that they have closed the Archives for a month to give time for bottling the honey, or that the Post Office is denied to visitors because of a forty days' mourning for the dead letters. I might stand all these things, after this Mint business, but if ever they lock the gates at the Experimental Farms, just because the Department of Agriculture has lost its Census, I will apply for superannuation at once and put the whole service on the rocks.

# Civil Servants as Soldiers

The service of the Sovereign in a civil capacity has never quite satisfied the patriotic impulses of the men enrolled in the civil service of Canada, and at all periods of her history civil servants have been prominently identified with her militia forces. This was true in the early days of the independent colonics, which later united to form the Dominion. On April 27th, 1813, when the capital of Upper Canada became a prey to invading foes, Donald McLean, clerk of the House of Assembly, fell in the front rank of the troops who strove vainly to defend the town. Such spirit and ambition were always more or less in evidence, but in 1861, when the seat of government of the Province of Canada was at Quebec, it took more formal shape.

# The "Civil Service Rifle Corps."

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On May 23rd, in that year, a meeting of civil servants was held in the Conference Chamler of the Parliament Buildings, R. M. S. Bouchette acting as chairman, and it was resolved to forthwith organize a volunteer rifle company. During the Summer recruiting went on, and military formalities were complied with, and, on Octoler 9th, the enrolled men met, organized, and elected officers. Next day a General Order, bearing the name of Sir Edmund Walker Head, Governor and Commander of the Forces, established the "Civil Service Rifle Corps" in the militia of Canada and confirmed appointments as follows:

Captain—Lieut.-Col. John Richard Nash. Lieutenant—Major Eugene Philippe Dorion. Ensign—Captain Frederick Braun. Adjutant—Lieutenant Charles Joseph Anderson. Surgeon William Wilson, jr., M.D.

The constitution of the Corps provided for a class of "honorary members" who were not liable to drill or service, but who might shoot with the rifle association of the Corps. The list of honorary members includes many names of note in Canadian history, such as George E. Cartier, John A. Macdonald, Alex. T. Galt, Sidney Smith and P. M. Vankoughnet.

Election to membership in the Corps was by ballot on application. Members were subject to stiff fines for being absent or late at the drill hour. There being British regular troops in garrison at Quebec, the best of drill instructors were available. In the early days there were five drills each week.

The first parade was held on November 6th, 1861. Two days later the famous "Trent affair" occurred, and for months thereafter Canada was the prospective battle-ground of a war between Great Britain and the United States. The patriotic fervour which swept over the country in those days was a source of great support to the Civil Service Rifle Corps.

On December 4th, 1861, the Corps was first inspected; the Deputy Adjutant-General of Militia for Lower Canada, who officiated, being Colonel De Salal erry. At the close of the year Lieut,-Col. Nash retired from the command of the Corps to become Deputy Adjutant-General in Upper Canada. Soon afterwards Major Dorion resigned the lieutenancy. In civil life, of the Assembly and Captain Braun was Secretary of the Public Works Department. High Government officials in the ranks included Fennings Taylor, clerk of the Assembly (John Langton, Auditor General; and Gustavus W. Wicksteed, law clerk of the Assembly.

Major Hewitt Bernard, chief clerk of the Department of Justice, and tormerly a private in the ranks, was the next commander, and Adjutant Anderson succeeded to the lieutenancy.

On March 20th, 1862, the Corps acted as guard of honour to Lord Monck at the opening of parliament. Uniforms of a special and rather showy design were obtained from Englard at a cost of about \$5,000. The government supplied great-coats. Enfield rifles and accountenents. The physique of the Corps was splendid. The men averaged but an eighth of an inch short of five feet nine inches—the standard of the day in the Grenadier Guards. Handsone uniforms, physique unequalled in Canada, and isprit de corps of the highest type, soon won for the Civil Service Rifles the admiration of the people and the litter jealeusy of other militia Corps.

W. B. Lindsay, senior clerk of the Assembly, was the first man of the Corps called by death. He died on May 16th, 1862.

The first parade in full uniform and equipment was on the Queen's birthday. There was a rifle match in the morning and in the afternoon a great review of volunteer militia on the F planade. There the Civil Service Corps was presented with a massive silver lugle by the ladies of Quebec, the gift being accompanied by a suitable address. This Listoric is strungent is now in Ottawa. A picture of the scene at the presentation was obtained by the veteran government photographer, McLaughlin. The strength of the Corps at that time was nit etytwo of all ranks,

Several succeeding years of the history of the Corps are filled with records of parades, drills and rifle matches. The Corps matched teams with the old "Stadacona" and "Wellington" battalions of Quebec, the University, "Victoria" and "Highland" rifle companies of Toronto and other organizations and many team and individual trophics were won.

On March 10th, 1863, the Corps took part in a military demonstration in honour of the marriage of Albert Edward, Prince of Wales. About a year later the Corps became an honorary company of the Civil Service Rifle Regiment of England, of which the Prince was honorary Colonel, and thus became entitled to bear the badge and crest of the Old Country force, viz., the Prince of Wales' three plumes and the motto "Ich Dien," For administrative and training purposes the Corps was attached to the 8th "Stadaconas" of Quebec.

The success and popularity of the Corps aroused such bitter jealousy on the part of certain other militia organizations, that open interference occurred more than once. On one parade of militia a field battery deliberately marched into the Civil Service ranks and, in the collision, the precious silver bugle of the Corps was damaged. It bears marks of the encounter to this

day.

Through the Civil Service Rifle Corps, government employees received the time-honoured half-holiday on Saturdays. Sir E. P. Taché first permitted men of the Corps to be absent from the offices on Saturday afternoons and the indulgence was ultimately extended to all civil servants.

In 1865 Major Bernard retired from the command and Lieutenant Anderson became captain. This was followed by the promotion of Captain Braun to the lieutenancy and John

Le Breton Ross became ensign.

In the Autumn of the same year the Corps, in consequence of the transfer of the Government to the new Capital, removed from Quebec to Ottawa. The first public appearance in the latter city was at the funeral of George H. Holt, of the Post Office Department, on January 13th, 1866. On the evening of the 14th there was a parade in "Gilmour's Armoury, Hugh Street,"

for inspection by Brigade-Major Jackson.

Early in March. 1866, the first Fenian alarm occurred and the Civil Service Rifle Corps was one of the militia units which went on active service. Guards were furnished for the armoury, railway station, telegraph office and all the banks. With six other volunteer companies from Ottawa and vicinity, the Corps was formed into a provisional battalion under Lieut.—Col. Thomas Wiley, and Ottawa was well guarded and patrolled for some weeks, while the Fenians swarmed in Ogdensburg and invasion near Prescott was daily expected. No overt act occurring, the troops were dismissed after the Ottawa battalion had been inspected and complimented by Colonel P. L. McDougall, Adjutant-General of Militia. Parades for inspection were held on the old Wellington Ward market.

On the night of April 12th the officers and non-commissioned officers gave a grand ball for the men at the British Hotel on Sussex Street. The Premier and many high military and civil dignitaries attended. For a time the Corps was required to parade for drill two days each week and field days were held on Sandy Hill and Major's Hill. Guard of honor was furnished for the Governor General on his arrival in Ottawa, also a permanent guard at Rideau Hall. From the latter duty the Corps was finally relieved by the arrival of three companies of the Rifle Brigade. All the military units in the city were reviewed by the Governor General and fired a

feu de joic on the Queen's birthday.

On May 31st the Fenians invaded Canada at Fort Eric and all militia units were ordered out. The regulars and some Ottawa corps went to the frontier, leaving the Capital chiefly in care of the Civil Service Rifles. For a time a train was kept ready made-up at the station to convey them and companies from neighbouring villages to Prescott, should the St. Lawrence be crossed by the Fenians. Patrols and guards were furnished for the city. Parliament Hill, and Rideau Hall and a special heavy guard at the opening of Parliament on June 8th, when drastic legislation was rushed through both Houses. The provisional battalion being reassembled. Ensign J. Let B. Ross was appointed battalion adjutant. The garrison attended Divine service at the historic "Chapel of Ease," on Sussex Street (afterwards St. John's Church, lately burned).

Peace returned to Canada and the men of the Corps returned to civil duties, save when called out for drill and for the prorogation of Parliament.

The Fenian Raid crisis had worked a revolution in public and official opinion regarding the militia of Canada and a grand re-organization and great increase of force was decided upon. The civil servants of Ottawa were deemed sufficiently numerous to form a full regiment and steps to carry out the idea were soon taken by the government. It was deemed wise to distard the old Corps and distribute its men to form the neucleii of the companies of the new regiment. On October 4th, 1866, the old Corps paraded for the last time, heard its last order from Captain Anderson, had a photograph taken in front of the East Block and then passed out of existerce. To the wise foresight and enterprise of Private J. B. Simpson, who, within three months, compiled and published a full history of the Corps, is due the preservation of the annals of a nultrary unit unique in history and the first Civil Service organization in Canada.

# The "Civil Service Rifle Regiment"

The new organization came into existence immediately. It had been authorized by General Order of September 21st, 1866, as the "Civil Service Rifle Regiment" and its officers were

To be Lieutenant-Colonel -- Lieut,-Col. Thomas Wiley, A.Q.M.G.

To be Majors—Lieut,-Col. Hewitt Bernard: Captain Charles J. Anderson.

To be Capturus R. S. M. Bouchette, John Langton, E. A. Meredith, Wm. B. Lindsay, Geo. E. Desbarats, Wm. White.

To be Lieutenants | Frederick Braun, Moore A. Higgins, Alex. J. Cambie, Henry C. Hay, E. E. Taché, Cunningham J. Stewart.

To be Ensigns—John Le Breton Ross, Chas. E. Panet, Henry R. Smith, Brinsley King, John Walsh, Charles Bossé,

Paymaster- Hon. Capt. Horace Wicksteed.

Quartermaster-John Ashworth.

Of these twenty-three officers, eighteen had been in the old Corps in some capacity,

At the distance of almost half a century it is very difficult to estimate the degree of success achieved by this organization, but, to judge from the reminiscences of some of the few surviving veterans, is to conclude that it somewhat disappointed the high anticipations of the promoters of the regiment idea. This was due to several causes. The government seems to have adopted something of the character of a conscription law as regards its exil servants and, in consequence, there were men in the ranks who had no enthusiasm for soldiering and would have been glad to get out of the regiment on any pretext. Naturally there was no espect de corps. The men of the old Corps were displeased that their splerdid and historic company had been broken up. They found themselves scattered through six companies and out-numbered by and lost among luke-warm recruits. The old spirit, the old pride and the old cohesion were lost, and the regiment

But worst of all was the absurd system of organization. High rank as a civil servant was deemed a leading qualification for rank as a soldier and commissions were issued, in some cases, to men totally unsuited to military command and entirely incapable of acquiring martial characteristics. Veterans in the ranks could hardly restrain expressions of their opinion of a captain who would address his company, on parade, in this fashion:

"Right about turn, gentlemen, if you please!" And, when the evolution was completed, would bow gracefully and say: "Thank you, gentlemen!

So the Civil Service Regiment had a tremendous handicap and the earnest lal ours of the best officers and men, including the veterans of the old Corps were, in some measure, nullified.

Lieut,-Col. Wiley had been trained in the regular army and was something of a martinet. On one occasion a man turned up on parade wearing white boots. His feet were the most conspicuous point in the long, green-clad, shako-topped line. The commanding efficer spied hom, formed the regiment in square, called the man from the ranks and pulliely reprimanded him. That night the man read up the Queen's Regulations and found nothing defining what boots a man should wear when none were supplied by the government. Apparently he could drill barefooted if he wished. Next day the Lieut.-Colonel and the private, both in civilian clothes, met on the old Sappers' Bridge and a gaping crowd heard the officer unsparingly "called down" by the man.

But the regiment went on and did drill and duty as required. The armoury and drill ground were on Nicholas Street, opposite the Court House. Ensign John Le Breton Ross soon became Lieutenant, and then Adjutant, Ensign Smith succeeding to the lieutenancy vacated.

On July 1st, 1867, "the day of Confederation," the corps was drawn up, with other troops, on Parliament Hill, when the new Dominion of Canada was proclaimed.

A little later, Lieut. Taché removed to Quebec, Ensign Bossé became Lieutenant, Sergeant Joseph F. Pellant and Colour-Serge ant James H. Rowan became Ensigns, Ensign G. H. Lane resigned and Edward C. Malloch, M.D., became assistant surgeon. Other internal changes were also made.

All this time the Canadian militia was undergoing reorganization on lines more conducive to permanency and savouring less of panic. The terror of the Fenian Raid of 1866 had subsided. From some evolution of militia law arose an Order which terminated the career and existence of the Civil Service Rifle Regiment. It was published on December 18th, 1868, and read as follows:

#### "CIVIL SERVICE RIFLE REGIMENT

"Inasmuch as the present militia law does not in any way recognize a force constituted "as was the Civil Service Regiment, that corps must consequently be regarded as having "no longer any legal existence and is hereby disbanded."

"The efficiency acquired by the Regiment and the readiness which, during its existence, "has always been shown to render service required of them, entitle the officers and men to "the thanks of the Government, which will be conveyed to the Regiment by the Commanding Officer.

"The following officers, having qualified, are permitted to retire, retaining their respective ranks, viz., Lieutenant-Colonel Thom is Wiley, Major Lieutenant-Colonel Hewitt Bernard, Major Charles J. Anderson, Captains Wm. B. Lindsay, Wm. White and Fred Braun, Lieutenants H. C. Hay, J. C. Stewart, H. R. Smith, Brinsley King, John Walsh and Charles Bossé, Ensigns C. Herbert O'Meara, Wm. B. Ross, and G. E. McCaul Shertwood, Captain and Paymaster H. Wicksteed, Captain and Adjutant J. Le B. Ross, "Quartermaster John Ashworth, Surgeon Wm. Wilson, M.D., Assistant Surgeon E. C. "Malloch."

### The "Civil Service of Canada Drill Association"

So the Civil Service Riffe Regiment followed the way of the Civil Service Rifle Corps and no military organization remained among the civil servants in Ottawa. But the spirit still burned. Among others who clung to the military practice was Captain William White, who was an official of the Post Office Department and eventually became Deputy Postmaster General. In February, 1869, this energetic officer was gazetted Captain in the Sedentary Militia of Ottawa. Two months later Militia General Orders authorized the formation of the "Civil Service of Canada Drill Association," with Captain William White as commanding officer. The Association, like the earlier organizations, was composed exclusively of civil servants.

### The "Civil Service Rifle Company,"

Membership in a civilian drill association did not satisfy the ambition of the men who composed this formation and soon a new General Order appeared, constituting it a "volunteer

rifle company," with William White as captain. For upwards of three years this company continued to afford an outlet for the ardour of its members. In 1870 it was called out for active service during the second Fenian Raid and guarded the public buildings until the crisis had passed. The old rifle shooting enthusiasm was revived and many a splendid score was rolled up on the old ranges beside the Rideau river. The company felt that it was the true successor to and heir to the honours and traditions of the Corps of 1861. In evidence of this it held the famous silver bugle and a historic silver cup called "the ladies' prize" -a trophy won in the eld days on the

# The "Governor General's Foot Guards"

The desirability of having a smart militia infantry corps in Ottawa, to furnish guards of honour for the opening and closing of Parliament and other state ceremonies and occasions, was nonour for the opening and closing of the Civil Service Regiment—for the British regular troops much felt after the disbanding of the Civil Service Regiment—for the British regular troops had been withdrawn from the Capital. Accordingly, a regiment of special type, to be called "The Governor General's Foot Guards" and to have the precedence and privileges of the British regular troops. Guards regiments in Great Britain, was planned, and a General Order of June 7th, 1872, authorized it -"to be raised by Major T. Ross."

Into this regiment was the last Civil Service corps absorbed. The men of the Civil Service Rifle Company enlisted in the Guards and originally composed the whole of No. 1 and No. 2 companies. "The Guards" has always been largely a civil service regiment. Civil servants have swelled its ranks and held every commission. If the civil servants in the regiment to-day were to drop out, there would be a number of vacant offices and many gaps in the ranks.

## As It Is To-Day

In O tawa there are yet several smart old gentlemen who served in the Civil Service Rifle Corps of 1862, a number of others who served in the Civil Service Regiment of 1866, and also some who were in the Civil Service Rifle Company of 1869. But, of course, the great majority have answered the last roll call. Some served with credit in other corps. William White

cientenant Henry R. Smith became Lieutenant-Colonel of the 14th Regiment and is now Sergeant-at-Arms of the House of Commons and writes "C.M.G." and 'L.S.O." after his name. Captain H. A. Wicksteed became Major and Paymaster of the Governor General's Foot Guards. Ensign Charles E. Panet became Lieutenant-Colonel of the 9th Regiment and Deputy Minister of Militia. Many other members of the old organizations achieved noteworthy military and civil positions.

For many years the veterans gathered annually to shoot on the ranges for the honour of being custodians of the silver bugle and the "ladies" prize." The competitors dwindled to two in one year and it has since been found impossible to hold the competition regularly.

Sons and grandsons of the veterans are numerous in the civil service and they invariably recall with pride that their forebears were in "the old Rifles."

Not alore the Foot Guards, but all the military organizations of Ottawa and several in other parts of Canada, have civil servants holding commissions and in the ranks. Thousands of men in the service to-day are or have been active militiamen. Operations in the North-West in 1870 and 1885 and the late war in South Africa, drew scores of civil servants into the field. There is many a man at a desk in Ottawa who can show long service or war medals when occasion

So the civil servants are, as they have always been, soldiers too, and have a record as such, which amply demonstrates their loyal and ambitious service to their Country and their King.

# History, Law, and Organization

The history, law and organization of the Civil Serv.—of Canada has its earliest beginning in the year 1857, when an Act respecting the Civil Service was placed on the statute book of the Province of Canada. Prior to that date the only reference in the statutes to the Civil Service is to be found in schedules respecting the "Civil List" in which certain provisions were made regarding salaries and emoluments of persons in the public departments. The Act of 1857 (20 Vict. Chap. 24) was designated an Act "for improving the organization, and increasing the efficiency of the Civil Service of Canada."

As this is the first Civil Service Act it may be of interest to note its principal provisions, some of which might be emulated to-day with advantage. (1) Employees in each department were divided into two classes, "officers" and "clerks," the term "officer" being applied to Deputy Heads, and a few other higher efficials, the remainder of the staff were termed clerks and were divided into first, second, third and fourth (or prolationary) class clerks. (2) The clerks of each class could, after a fixed period in that class, be promoted, if qualified, to the higher class, 3) Entrance to the service was by examination, for which purpose a Board of Examiners was provided consisting of twelve Deputy Heads of departments, each of which acted in turn as chairman of the board for a period of one month. The powers of this board were somewhat similar to those of the Civil Service Commission, constituted under the Act of 1908, (4) All vacancies were to be filled by the promotion, if possible, of clerks in the lower grades in the same department. If no qualified clerk could be found in the same department, notice was to be given to the Governor-in-Council, with a view of obtaining a duly qualified clerk from another department, and only in the case of none such being available was the vacancy to be filled by appointment from the outside. Moreover, all appointments had to be made from the eligible list of those who had passed the examinations. (5) The Act contained a provision "that nothing in this Act shall prevent the promotion in his own department of any officer or clerk employed prior to the coming into force of the Act.'

The principle of the rights of promotion, as maintained in clause 5 above, if incorporated in the Act of 1908, would have prevented the unhappy issues involved in the present

"Third Division problem" in the inside service.

In the year 1863, a Bill was introduced by Hon. Mr. McGee, a meml er of the Government of the Province of Canada, to repeal the Act of 1857 except as regards examinations, but for what reasons do not appear in the journals of the House. The Bill was not proceeded with beyond the committee stage.

By section 12 of the British North America Act, the powers and provisions of the Act of 1857 (in common with all other Acts in force at the date of Confederation) were vested in and exercisable by the Governor General-in-Council.

Bytown, or Ottawa, as it afterwards because, was closen as the capital of the Province of Canada in the year 1858, and the work on the new Parliament Building was begun in the year 1859. The new site was adopted, by the unanimous consent of the delegates attending the Quebec Conference, as the capital of the four provinces entering into Confederation on July 1, 1867, and the new Dominion Government took over, almost in its entirety, the personnel of the Civil Service of the old Province of Canada. The members of the old provincial service travelled from the old city of Quebec on the romantic terraces of the St. Lawrence, to take up their new status in the new city of Ottawa, on the picturesque and scarcely less romantic banks of the Grand River.

The services of employees of the government of the lower provinces were utilized by the new federal government as the needs of administration demanded and in such cases the onus of employment was transferred from the local to the federal government. A few cases may be

cited to show the earliest beginnings of what has become a great Outside Service. Mr. J. R. Wallace, an employee of the Nova Scotia government became Assistant Receiver General under the federal Department of Finance, and R. W. Crookshanks of the New Brunswick Government, was appointed to a similar position in that province. Wm. Seely, of St. John, and Sydenham Howe, of Halifax, employees of the provinces of New Brunswick and Nova Scotia respectively. became Dominion Civil Servants, with the title in each case of Provincial Auditor. As an instance of the assumption of local Civil servants by the Dominion Government in the Province of Prince Edward Island in 1873, may be mentioned the appointment of John Robins to fill the two offices, Assistant Receiver General and Provincial Auditor.

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For the purpose of establishing an interesting historical relationship between Civil Servants of the Dominion, and of the federating provinces, it may be pointed out that under the terms of the first Superannuation Act (33 Vict. Chap 4, Sec. 9), provision is made for those who "before the coming in force of the British North America Act 1867, had given service in an established capacity in any of the offices of the legislature of any of the provinces now included in the Dominion of Canada." Reference may also be made in this connection to clause 6 of the Imperial Order in Council admitting British Columbia into the union, which provided pensions "for those of Her Majesty's servants in the colony whose position would be effected by political changes,'

There will now follow in chronological order, from July 1, 1867 to May, 1914, a record of legislation referring to the federal Civil Service, including not only statutory enactments but reference as well to Bills which failed to materialize into law. Only meagre outline of the Acts and Bills that made their appearance during the period since Confederation can be given here owing to the desire to keep this article within its alloted space. Bills and Acts in regard to Superannuation and Insurance will be treated as distinct features.

1867. A Bill respecting the Civil Service was introduced by Hon. Mr. Rose, but the order for second reading was discharged.

1868. A new "Act Respecting the Civil Service of Canada" was passed. Many of the features of this act were identical with those of the Act of 1857, but there were also some interesting innovations. (1) Special reasons had to be assigned, under the new Act for appointing persons over 25 years of age, and in case of an appointee being over 40 years of age the reasons had to be submitted to Parliament. (2) Appointees to the Probationary Class had to serve one year before becoming eligible for promotion; employment coming to an end unless promotion occured before the expiration of the second year. (3) The classification of the Act of 1857 was retained. except that the Second Class was divided into Senior and Junior sub-divisions. (4) Authority was given for the appointment of Private Secretaries for Ministers, but such appointment did not constitute the secretaries members of the Civil Service and their appointment ceased on the retirement of the minister. (5) Powers were vested in the Board of Examiners to the following effect, to investigate the length of service of any person claiming to be entitled to promotion on that ground, and to report to the head of the department; to report annually to the Governorin-Council, all cases in which there had been any depart, a from the Rules and Regulations of the Act; to report to the Governor-in-Council regarding any matter specially referred to them in connection with the administration of the Act relative to appointments, promotions, salaries, efficiency, etc., with power to summon witnesses.

In the light of present day experiences, the status granted to Private Secretaries is inspiring, as the secretaries of ministers resigning or retiring are more and more filling the higher grades of the departments. Special attention is drawn to the powers vested in the Poard of Examiners under the Act of 1868; such powers long not unlike those desired for investment in a Poard of Appeal for Civil Servants, a principle that is being discussed in the Insperial service and is actually in operation in one of the Dominions of the British Empire.

In the same year (1868) a Royal Commission was appointed to enquire into the state and probable requirements of the Civil Service. This commission made two reports,—one in 1869 (Sessional Papers, No. 19), and one in 1870 (Sessional Papers, No. 64). The latter report was

1872. The Act of 4868 was amended to provide for the promotion of Third Class and Junior Second Class clerks in special cases, even though the clerks, in such cases had not served, in their respective classes, the time prescribed by the Act.

[1875] A Bill respecting the Civil Service was introduced by the Hon, Mr. Cartwright to

increase the scale of salaries all round, but the Bill was dropped.

1877. On the motion of the Hon, Mr. Casey, a select committee was appointed to enquire into the condition of the Civil Service. The committee took a great deal of evidence and presented a lengthy and interesting report, which was printed in appendix, No. 7, of the journals of the House. In each of the three following years 1878, 1879 and 1880. Mr. Casey introduced a Bill to ensure the better qualifications of public servants and the greater efficiency and economy of the public service in accordance with the recommendations of the Select Committee, but the bills were dropped in each case.

1880. Another Royal Commission was now appointed to consider the needs and conditions of the service.—The Commission presented a voluminous report in 1881, which contained much evidence and was printed in Sessional Papers. No. 113, of the session of 1880-81.—A second report

was presented in the following year and printed in Sessional Papers, No. 32 (1882).

1882. Sir Hector Langevin introduced a Bill respecting the Civil Service of Canada, which passed into law and became the Civil Service Act; all previous Acts being repealed. An interesting incident in the passage of this Bill through the House was the attempt of the Hon. Mr. Casey to provide for the creation of a class of writers for routine work, with salaries proportionate to their duties. The proposal was not accepted.

1883. A Bill to amend the Act of 1882 came down from the Senate and was fathered by Sir Hector Langevin. This Bill became law and it amended the consolidated Act of 1882 as regards the Board of Examiners, conditions of appointment, salaries of chief clerks, professional or technical officers, and also as regards promotions, filling of vacancies in higher grades, ex-

change of positions and transfers.

1884. The Honourable Mr. Chapleau presented a Bill to amend the Acts of the two previous years in regard to preliminary, qualifying and promotion examinations, special remunerations, the appointment of inspectors of Weights and Measures without examination, the appointment of temporary clerks, salaries of Assistant Post Office Inspectors and Letter Carriers and provision for mail transfer agents.

1885. The Act of this year was the outcome of a Bill introduced by the Honourable Mr. Chapleau, and had the effect of consolidating and amending the Acts of 1882-3-4. During the passage of this Act through the House unsuccessful attempts were made to introduce a number of amendments. Among these may be mentioned, -provision for appointments by special competition, promotion by merit, modification of yearly increases, the appointment of Civil Service Commissioners, the temporary employment of Civil Service Examiners and the rescinding of the provision for extra pay to a lower grade official for performing the duties of a superior official after demise of latter.

4886. In this year the Act of 1885 went into the Revised Statutes of Canada as chapter 17,
1887. A Bill was introduced in this year by the Honourable Mr. McNeill in amendment

of the foregoing Act, but it was abandoned,

1888. The Honourable Mr. Chapleau was sponsor for an amending Act providing for,—appointment of Deputy Heads, changing the salary schedule of Customs officers, the status of clerks appointed prior to 1882, so that promotion might be attained without examination (other than duties of office). In this year Mr. McNeill again introduced a Bill respecting the service, but it had only one reading.

1889. The Honourable Mr. Haggart put through an amending Act referring to salaries of the Board of Examiners, Inland Revenue Officers, Railway Mail Clerks and Postmasters and adding Post Office Inspectors to the list of those who might be appointed without examination. In this year also the late Senator Ellis introduced a Bill to authorize the assessment of the salaries of Civil Servants. Objection was raised to the second reading of the Bill on the plea of a technicality which was sustained by the Speaker. The Honourable Mr. Cook also introduced an amending Bill, but it was not pressed to a conclusion.

Mr. Cook again introduced his Bill, but later withdrew it

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Two Bills amending the Civil Service Act were introduced in this year, but both were dropped. The sponsors were, the Honourable Mr. Costigan and Honourable Mr. Cho-

1894. The Honourable Mr. Costigan re-introduced his Bill which became law. It enacted that anyone in the service prior to July 1, 1882, might be permanently appointed within one year

The Honourable Mr. Reid and the Honourable Mr. Beehard both presented bills which received but one reading. Mr. Béchard's dealt with the assignment and attachment of the salaries of public employees. The Senate initiated a Bill regarding irregularities at examinations which became law. The Honograble Mr. Montague also introduced a Bill in respect to Messengers, Third Class and Temporary clerks.

The Senate initiated another Bill, which however, made no progress.

1897. The Honourable Mr. McMullin and the Honourable Mr. Richardson, both presented Bills, but neither reached a second reading. The Honourable Mr. Mulock put through an amending Act, making a change in the classiffication in schedule B of the Act so as to include sorters and packers; also exempting from the age limit Controllers and Superintendents of the

1598. The Honourable Mr. McMullin introduced two amending Bills but neither made progress. One dealt with the appointment of a Board of Civil Service Supervisors.

The Honourable Mr. McMullin and the Honourable Mr. Richardson introduced Bills, the former getting a first reading only and the latter getting as far as the committee stage. The late Honourable Mr. Monk introduced an important Bill dealing with the civil rights of Civil Servants, but the motion for the second reading got the six months hoist. His Bill incorporated the principle that in cases of dismissal, the employee should be furnished with a certificate

1900. The Honourable Mr. Fielding presented an amending Bill which became law. This Act altered the classification of the Inside Service–Schedule  $\Lambda$ ) by adding a new class to be known as "Junior second-class." Also the salary scale of messengers was changed and Mr. Costigan's Act of 1894 was extended for another year.

1903. Sir William Mulock in this year put through an amouding Act making the following changes in classification, Schedule A.—Deputy Heads salaries were increased to \$1,000 with \$100 annual increases from a minimum of \$3,500, grade A was instituted for chief clerkship, provision was made for professional and technical officers and general salary changes in all the classes in this schedule. Provision was made for the promotion of messengers and others of the Third Division. Changes were also made in the salary scale under Schedule B.

1906-7. The Senate initiated a Bill in this year. Mr. Fielding took charge of it in the House of Commons, but he did not press it to a conclusion.

1907-8. As the result of the report of a Commission appointed to investigate the public service, the government of the day introduced an important amending Bill in this year. Honourable Mr. Fisher was the spokesman for the government. The Bill dealt mainly with the Inside Service, and was notable for the greatest step, so far taken by any government in Canada. for the efficient administration of the rapidly mereasing number of Civil Servants. The feature referred to is the principle of an Independent Commission in regard to appointments and promotions or in other words, the Merit System. The Commissioners were granted a scenre status. being responsible only to the Senate and House of Commons. The classification under Schedule A underwent an entire change and provision was made for the bringing of the Outside Service under the operation of this Act by order in council.

The Honourable Mr. Lemieux put through an Act regarding salaries of Fourth Class Clerks, Stampers and Sorters, and the Money Order Exchange Office was added to Schedule B. An Act was also passed granting \$150 flat increase to the members of the Inside Service.

1910. The Honourable Mr. Fisher was responsible for another Bill which became law and related to, examinations, transfers, salary increases for Collectors of Customs, officers of

the Inland Revenue and Officials of the Post Office and a number of other matters. The Honourable Mr. Beauparlant presented a Bill to legalize garmshment of salaries of Civil Servants, but no progress was made with it.

1911. The Honourable Mr. Paterson and the Honourable Mr. Lemieux I oth introduced Bills, the former as regards salaries of the Customs Outside Service and the latter as to classification and salary increases of the Post Office Outside Service. Neither Bill advanced beyond the first reading. Mr. Beauparlant again introduced his Bill of the year 1910, but afterwards withdraw it.

1912. Bills were introduced by the Right Honourable R. L. Borden which became law. They provided for, the appointment of Private Sceretaries, the appointment of a third Civil Service Commissioner and changes in the salaries of the Customs Outside Service. The Honourable Mr. Pelletier also introduced Bills which became law. They provided for,—a new classification for clerks in city Post offices and offer efficials, employment of temporary Railway Mail Clerks, the establishment of a Rural Mail Service, and the appointment of case examiners. The Honourable Mr. White was the author of a Bill which passed. It applied to the employment of temporary clerks in the office of the Auditor General.

1913. The Honourable Mr. Pelletier put through an Act amending the Post Office Act, providing for increases of salary of Railway Mail Clerks, Messengers and Letter Carners and granting the latter class annual leave of three weeks with pay

1914. At the time of writing The Honourable Mr. White has introduced a resolution for shadowing consolidation and amendments of existing Civil Service Acts.

## Superannuation

1870. The first Superanauntion Act (33 Vict. Chap. 3) was passed in this year. The abatement under this Act was fixed at 4 per cent, on all salaries in excess of 8600 and 2½ per cent, on salaries less than 8600. The superannuation allowance was based on the average yearly salary during the last three years at the rate of one-fiftieth for each year of service up to 35 years. The Act also made provision for gratuates in certain cases, and established the principle of adding a number (not exceeding ten) of years to the term of service under peculiar circumstances. The Act applied to all under the operation of the Civil Service Act of 1868. Permanent employment an envy of the provinces prior to 1867 was to be reckoned in computing the superannuation allowance, but a deduction of from 10 per cent, to 20 per cent, was to be deducted from the allowance of any who had not contributed for 10 years.

1872. The Honourable Mr. Joly proposed a resolution to the effect that, considering that the fund is raised entirely out of compulsory contributions from public efficers, it is just that the whole of the fund should be consecrated to the benefit of the said officers, first, for the purposes of the Act and secondly, the surplus, it any, to the benefit of their widows and orphans. Consideration was postponed.

1873. The resolution of the year 1872, was again proposed but further consideration was discharged. The Honourable Mr. Tilley introduced an anandment to the Act of 1870, reducing the contributory rates from 4 per cent, and 2½ per cent, to 2 per — 1, and 1¼ per cent. This became law.

1875. The Honourable Mr. Cartwright put forward an amending Bill which became law in this year. It reduced the age from 40 to 30 years in cases in which 10 years or less could be added to length of service.

4879. A Select Committee was appointed to enquire into the state of the fund, and the working of the Act. No report was made.

1883. A Bill to amend and consolidate the Act respecting Superannuation was mitiated in the Senate, and became law. In the committee stage, an anendment was moved to abolish the system, and substitute a plan apparently identical with the Retirement Fund. This was negatived.

1886. The Act of 1883 became the Civil Service Superannuation Act in the Revised Statute of Canada.

1893. The Honourable Mr. Foster introduced an amending Bill which became law. The rates of contribution were again changed and were now fixed at 31 per cent, and 3 per cent. The privilege of contributing to the fund was restricted to persons under 45 years of age.

1894. The Honourable Mr. McMullin presented an amending Bill on the lines of the amendment of 1883, but it received only a first reading.

1895. The Honourable Mr. McMullin again introduced his Bill, but the debate on the motion for the second reading was adjourned. The Hon urable Mr. Foster presented a Bill to increase the rates of those contributing under the original Act to 35 per cent, and 3 per cent., and to raise the term of eligibility to receive the benefits of the Act from 10 to 15 years. This

1896. The Honouruble Mr. McMullin re-introduced his Bill to abolish the system of superannuation, but the Bill was negatived at the second reading.

1897. The Honourable Mr. Mulock and the Honourable McMullin both presented Bills with the same purpose as the Bill of 1896. These Bills did not become law. Honourable Mr. Fielding presented a Bill providing for the repayment to dismissed public servants, of the deduction from their salaries. The Bill became law

1898. In this year the Henourable Mr. Mulock put through an Act abolisting the two superannuation systems for future entrants into the service, substituting, therefor, the Retirement Fund, which called for an abatement of 5 per cent, of salaries. A per cent, compounded half-yearly was added to the individual account of the contributors.

1902. A Bill introduced by Honourable Mr. Fielding became law, and provided for an amendment to the Retirement Act of 1898, to authorize refund of contributions to the legal

1903. Honourable Mr. Fielding became sponsor for a minor amendment to the Act, providing that 6 months or more of service should be reckoned as a full year in computing the

The foregoing Superammation Acts became chapter 17 of the Revised Statutes.

1914. At the time of writing the Honourable W. T. White has introduced a resolution foreshadowing a re-introduction of superannuation system of a comprehensive nature.

### Civil Service Insurance

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The Honourable Mr. Foster fathered a measure granting life insurance to Civil Servants under very advantageous terms; the rates of premium being about 40 per cent, less than those

1914. The Honourable Mr. White introduced an amendment to the Insurance Act increasing the maximum amount of the policy from \$2,000 to \$5,000, and admitting the women of the service to the benefits of the Act. This amendment passed into law in May, 1914.

### Looking Backward and Forward

In reviewing the series of legislative enactments from 1857 to 1914, Civil Servants are glad to note a developing interest on the part of the members of both Houses of Parliament in the servants of the Crown; more and more considering the Civil Service as our most honoured national institution, rather than as an instrument to be prostituted for party purpose. As yet the old curses of political power and personal preferment wield a malign influence, but there are not lacking evidences of a demand for the full estable ment of a genuine "merit system." When at last the necessity of making the service of the Crown an institution that will attract the best class of recruits to its ranks, and of training, organizing and rewarding them as the best interests of Canada demand is fully and generally comprehended, there will appear on the Statute books such laws as the new condition may require. The brighter the attractions of public employment, the better will be the personnel of the service; the bette, that personnel, the better will the task be performed for the country. The interests of Canada and her Civil Servants are one and inseparable, and must exist and grow, improve or deteriorate together.

events that have contributed to the remarkable development of Canada in this 20th century. Wise laws and skilful administration by the great public departments of the Government are all important in the business of building a nation. Yet were it not for the enterprise, the preseverance and the genius of private imitiative, the operations of the Government would be barren of results.

C Blessed with a rigorous climate and endowed with free political and educational institutions, Canadians may become a race to lead he world in potency and virility. Outstanding figures have arisen in all the various fields of private enterprise, who are making their power felt in the national development of Canada. These great leaders while outside the Government, are in alliance with it, and it is appropriate that the closing chapter of this book should contain reference to some of those who have achieved distinction in the sphere of transportation, in finance and in the industrial arts. The closing pages of this book will contain portraits and short biographical reference to some who, in a greater or less degree, may be numbered among the makers of Canada.

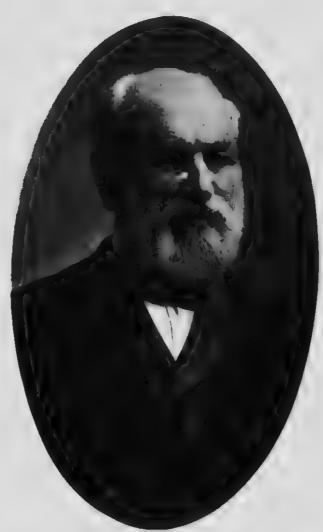
¶ THE CIVILIAN takes this final opportunity to express its appreciation of those friends who, through their co-operation and material assistance, have rendered possible the production of such an elaborate volume as is herein presented to the public.



SUCTOMEND FORD USE A TELL NO

Linancial agent, stock broker and legislator, was born at Treumseth Paisonage, Sincor county, Out., in

His interests are varied and important, being president of the Dominion Bank: Ontario & Quebec Railway and American Land Co.; Victoria Rolling Stock Co.; Vice-president of the Confederation for Axio 2017 and director in the Canadian Profite Riches Corsumers Coix Co. Toron to to correct to Consolidated Manna & Smelting Co., Steel Co. of Canadia Tenente. Hamilton & Ballalo I., axio 3. Terento Penny Bank, and Calgary & Edmonton Land Co. Residence, "Craigleigh," Rosedale, Toronto, Ont



HON, BENATOR ROBERT JAFFRAY, TORONTO

Prominent in commerce and finance, at the present time, is principally conspicuous in the public eye as president of the Globe Printing Co. of Toronto.

He was born on his father's farm near Bannockburn, Scotland, January 23, 1832. His business experience was gained in Edinburgh where for some years he was in commercial life. He came to Canada in 1852.

Aside from his connection with The Globe, Mr. Jaffray is vice-president of The Imperial Bank of Canada; director of the Canada Foundry Co.; the Canada Life Assurance Co.; Canadian General Electric Co.; Central Canada Loan and Savings Co.; Dominion Securities Corporation; General Accident Assurance Co.; Nova Scotia Steel and Coal Co., Toronto General Trusts Corporation and is vice-president of the Crow's Nest Pass

He was called to the Senate, March, 1906.

His residence is "Surrey Lodge," Toronto. Ont.



SENATOR WILLIAM CAMERON EDWARDS, OTTAWA

Was born in Clarence, Ont., May 7th, 1844, son of William and Ann Cameron Edwards.

He is largely interested in timber lands and the firm of W. C. Edwards & Co., is considered one of Canada's foremost manufacturers and dealers in the finished product.

Senator Edwards takes a practical interest in agriculture, and is a successful stock raiser which well qualifies him for president of the Russell Agricultural Society.

He was elected to the House of Commons for Russell in 1891 and re-elected in 1896 and 1900; and in March,



COL. SENATOR JAMES MASON, TORONTO

Prominent banker and financier, was born in Toronto, August 25, 1843. He is president and general manager of the Home Bank of Canada; director of the Manufacturers Life Insurance Co.; Dominion Coal Co.; Dominion Steel Corporation; British and Colonial Land and Securities Co., and the Prudential Trust Co. He was one of the original trustees of the Toronto Public Library and became chairman of the Board, was president of the Toronto Mechanics Institute; one of the founders and for two years president of the Canadian Military Institute; one of the founders of the Empire Club and its president for two years and has occupied many other positions. He was appointed by King Edward VII. Knight of Grace of the Order of the Hospital of 8t. John of Jerusalem in England. His military service commenced in the ranks of the Queen's Own Riffes, during the Fenian Raid troubles. He was gazetted Captain 10th Royals, 1882, and promoted Major in 1888; Lieutenant-Colonel commanding the regiment 1893, commanded the 4th Infantry Brigade 1900-10 and retired with the rank of Colonel and gazetted Honorary Colonei, 36th Peel regiment. While commanding No. 2 Service Company, Royal Grenadiers, during the North West Rebellion of 1885, his company was the first to cross the Saskatchewan at the battle of Fish Creek. He was appeinted Senator of Canada, May, 1913. Residence, 43 Queen's Park, Toronto.



SIR BYRON EDMUND WALKER, CAJO, D.C.L., LL D., TORONTO

President of the Canadian Bank of Commerce, Toronto, one of the foremost authorities on banking in America, was born in the township of Seneca, Haldmand county, Ont., October 14, 1848. He received the honour of kinghthood, was presented to King George V in 1914, and was present by invitation at the coronation of their Majesties in June, 1914. Among the numerous positions he has occupied may be mentioned, chairman of the banker's section Toronto Board of Trade, vice-president, and honounty president, Canadian Banker's Association; chairman of the Section of Money and Ciedit in the Department of Economics of the International Congress of Arts and Sciences of the Universal Exposition, St. Louis, 1904, vice-president American Banker's Association; Fellow of the Institute of Banker's of England, chairman Peard of Governors, Toronto University; president Canadian Institute; trustee Toronto General Hospital, and honormy president Toronto Mendelssohn Choir. Residence, "Long Garth," Toronto, Ont.



SIR WILLIAM MACKENZIE, TORONTO

One of Canada's greatest men, is also one of Canada's hardest workers. President of the Canadian Northern Railway and directing genius of many other enterprises, he has turned the full power of a mind unusually acute into construction work. His entrance to the railway field was made by way of lumbering. From this he graduated process of building, he met his partner, Sir Donald Mann. The great contracting firm of Mackenzie and Mann was formed in 1886.

They built the Qu'Appelle, Long Lake and Sask and Railway; the Canadian Pacific Railway short line through Maine; the Calgary and Edmonton road, to the a few outstanding works, before 1896, when work was commenced on their own account on the original 100 miles, between Gladstone and Dauphin in Manitoba, which constituted the beginning of the Canadian Northern System. During the past seventeen years the road has grown to be second in Canada, and consists of almost 10,000 miles of railway line, and the Royal Line of steamers between Canada and Great Britain. It will be a complete transcontinental in 1914. Sir William's work in the building of the system has been chiefly financial, and in that work he has been extremely successful. A born optimist where Canada is concerned he has been able to secure all the funds required and when they were needed, and it is said of him that he never failed to justify any promise he ever gave in sonnection with the prospects of return on investment in this country.



SIR DONALD D. MANN, TORONTO

Vice-President of the Canadian Northern Railway, was born in 1853 in the village of Acton, in the county of Halton in Ontario. In 1886 the contracting firm of Mackenzie and Mann was formed and the partnership

Shortly after the organization of the firm, work was commenced on the construction of the Calgary and Edmonton Railway; then came the Qu'Appelle, Long Lake and Saskatchewan Railway, and later the Canadian Pacific Railway short line through Maine to the city of St. John. In 1888 and 1889, Sir Donald visited Panama, Ecuador, Peru, and Chile on invitation of the government of the last named country. He, however, declined the proposal to build railway lines there, and a similar judgment followed an inspection trip to China.

Back in Canada, in 1895, Sir Donald took the initiative in purchasing the charter of the Lake Manitoba Railway and Canad Company. While that stroke of business may have been regarded as incidental at the time it and Gladstone in Manitoba, there has been spun the net work of almost 10.000 miles of line of the Canadan Northern Railway System of to-day. That has been his real life work. His other interests—and some of these speed, efficiency and economy.



Z. A. LASH, K.C., LL.D., TORONTO

Of the firm of Blake, Lash, Anglin and Cassels, barristers and soheitors, was born in Newfoundland in 1846. He was called to the Ontario Bar in 1868, and was created a K C, in 1879. He was Deputy Minister of Justice from 1876 to 1882; counsel for the Dominion Government before the Privy Council in the Mercer Escheat case, 1883; was at one time lecturer and examiner in commercial and criminal law, Ontario Law Society and the chief counsel for the Canadian Banker's Association. He is a member and vice-chairman of the Board of Governors, Toronto University, and trustee of the Toronto General Hospital.

President of the Great North Western Telegraph Co., vice-president of the Canadian Bank of Commerc., and the National Trust Co., director of the Brazilian Traction Co., and subsidiary companies; Bratish American Assurance Co., Western Assurance Co., Maximum Light & Pow.) Co., B. H. F. Liphor, Co., Carodom North ry. Railway, and Mackenzie. Man Co., Lumit d.



ANDREW MEXANDER ALLAN, MONTREAL Vice-President of The Allan Line Steamship Co , Limited

What Canandian has not heard of the Allan Line? The pioneer steamship line across the Atlantic between England and Canada.

Mr. Allan, as belits one of Canada's big men, is a man of action, and the list of enterprises with which he is

Mr. Alfan, as belits one of Canada's big men, is a man of action, and the list of enterprises with which he is connected, gives but an inadequate idea of the many interests that occupy his busy life.

He was boun in Montreal in 1860, a soli of the lare Andrew Allan, one of the tounders of the Montreal Ocean Steamship Co. and was educated at Ringby in France by private trators, and also at the Montreal II gh School.

At an early agoli, entered the office of the steamship company in which has tath a was connected, and was

made a partner in 1881

Among the offices held by Mr. Alban in some of the most important business organizations of this country are; president of the Canadian Marcon; president of the Shapping Federation of Canadia 1910; vice-president Dominion Oil Cloth Co.; director Merchant's Bank of Canada; British and Calada 1910; vice-president Harbour Commissioner, Montreal and Lite Governor Montreal Bestern Hospital Socially, Mr. Allan is wid, by connected through the important clubs of Canada. He is Steward of the Montreal Hunt Club; and member of the following. Montreal Jockey Club, Montreal Hunt Club, Forest and Stream Club, Garrison Club (Queboc), Rideau Club and Country Club (Ottawa)



JAMES WHALEN, PORT ARTHUR, ONT.

Is one of the outstanding figures of central Canada. He was born at Collingwood, Ont., on  $\Lambda$ pril 29, 1869; he came to Port Arthur in 1873.

He is part and parcel of the Twin Cities, Port Arthur and Fort William, being president of the Western Dry Dock & Shipbuilding Co., Limited, a shipbuilding plant of the first magnitude. Mr Whalen is also an officer or director of the following companies: Great Lakes Dredging Co., Limited; Canadian Towing & Wrecking Co., Limited: Thunder Bay Contracting Co., I imited; Canada Pebble Co., Limited; General Realty Corporation, Limited: British Columbia Sulphite Fibre Co., Limited of Vancouver; Commercial Exchange Building Co., Limited; Thunder Bay Harbour Improvement Co., Limited, and other companies.



LT -COL. JOHN BELLAMY MILLER, TORONTO

Was born July 26, 1862, at Farmersville (now Athens), Leeds county, Ontario. He is president of the Polson fron Works, Limited; Polson Dry Dock & Ship Building Co.; Consumer's Box and Lumber Co., Lamited; Parry Sound Lumber Co., Limited, and the Parry Sound Transportation Co.

Lt.-Col. of 23rd Regiment of Northern Pioneers, with headquarters at Parry Sound.

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reir ο, m, ο, Mr. Miller holds membership in the following clubs: National, Royal Canadian Yacht, Ontario, Rosedale Golf, Ontario Jockey and Canadian Military Institute, all of Toronto; also the Granite Curling Club. In Ottawa, the Rideau and the Laurentian Clubs; also of the Royal Hamilton Yacht Club, of Hamilton; the Tadenac Club of Georgian Bay; the Royal Colonial Institute of London, Eng.; the Junior Army and Navy Club of London, Eng.; and the Associate of Institute of Naval Architects of London, Eng.



WILLIAM JOSEPH POUPORE, MONTREAL

One of the principal contractors in Canada, and president of the W. J. Pourpore Co. of Montreal, was born April 29, 1846, at Allumette Island, P.Q. He has had an active career in the building of railways and public works, harbours and wharves. The Tarte pier in Montreal was built by him, also the government docks and other works at Sorel. Recently he devoted himself entirely to the dredging business, and his company owns a fleet of dredges operating in Nova Scotia, New Brunswick, and Quebec. He owns extensive real estate, and is part owner of important tumber limits. He is a prominent figure in Pontiac county whose interests he has always promoted. He has been Warden of the county, Mayor of Chichester (ten years), and president of the School Board (ten years). He represented Pontiac in the legislature from 1882 to 1892, and from 1896 to 1900 he sat for the constituency in the House of Commons. He has been a warm advocate of the Georgian Bay Canal. In 1900, he retired from active politics.



THE LATE DAVID SMITH, TORONTO, ONL

For many years recognized as a leading representative in Canada of the engraving trade, was born at Kirk-dale, Lancashire, Eng., in 1839. He became an expert copper plate engraver and coming to Canada in 1879, accepted work with J. T. Rolph, of Toronto, then doing business in King Street. Shortly after he are represented in the contract of the cont partnership with Mr. Rolph whose brother, Frank, was taken into the firm doing business under the firm name of Rolph, Smith & Co., with offices at the corner of Wellington Street and Leader Lane.

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They found their business increased and built new premises at 49 Wellington Street West, which they occupied until the place was destroyed in Toronto's great fire of 1904. The partnership was then dissolved and David Smith formed a new firm, the David Smith Engraving & Lithographing Co., of which he was the head.

He was one of the best engravers in the Dominion and was the inventor of the safety paper, now used by many governments and banking institutions for their cheques and drafts.

Mr. Smith married in 1879, Annic Elizabeth Taylor, daughter of George Taylor of the firm of John Taylor Bros. of the Don Paper Mill. Her son, Harold T. Smith, is now carrying on the business at 56 Church Street,



THOMAS ROBERTSON, TORONTO

President of Robertson Bros., Limited, wholesale manufacturing confectioners and importers, Toronto; also president of the Monetary Times Printing Co., was born in the south of Scotland, September 11, 1838. He came to Canada in 1856. In 1863, he established his present confectionery business

He is a prominent member of the National and the Royal Canadian Yacht Clubs and a member of St. Andrew's Society and the York Pioneers

Residence, 89 Elm Avenue, Rosedale, Toronto.

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HERBERT HALE WILLIAMS, TORONTO

Of H. H. Williams & Co. (established 1886), 36 King Street East, Toronto, and president of the 'a criational Realty Co., is one of Canada's largest realty dealers. He was born in Toronto, September 21, 1862, son of Henry Burt and Catherine Hale Williams.

In his earlier days he took considerable interest in military affairs, and served as private, "E" Company, Lieutenant, "C" Company in the Governor-General Body Guards, Queen's Own Rifles

Mr. Williams is a member of the following clubs: National, Albany, Military Institute, Empire, Canadian, Granite and Lambton Golf.—In his lejsure hours, he finds recreation in horses, golf, curling and bowling. Resistance, 585 Avenue Road, Toronto



THOMAS PERRIN BIRCHALL

President of Canada Industrial Bond Corporation, Montreal

Was born October 29, 1879, at Toronto, Canada, a son of Thomas Shivers Birchall (a government official, and Mary Helena (Perrin) Birchall. Ancestors on paternal side were English, on maternal side they were English and Irish. His education was obtained in the public and the high schools of his native city. In 1895, his carnings commenced as an office boy in the employ of the Toronto Silver Plate Co., and for the ensuing ten years he remained with that company. He was salesman when he resigned (in 1905) to become the Canadan representative for John Round & Son, Limited, of Sheffield, England. He continued in this position for three years and then entered the bond business for himself at Toronto. On the organization of the Canada Securities Corporation. Mr. Birchall was made manager and held that office until 1912 which he formed the Canada Industrial Bor d Corporation at Montreal, of which he is the president. He is a director in the Canada Syndicate; in the London Mutual Fire Insurance Co., and in the Colonial Coal Co... He is a member of the Rideau Clebs of Ottawa, the National, the Albany, and the Royal Canada an Yacht Clubs of Toronto, and of the Beaconsfield Golf Club of Montreal. Mr. Birchall was married, June 9, 1906, to Ruth Neville Abbott of Toronto, the union bringing two children, Alleyne Neville Birchall and Pamela Mary Birchall



MICHAEL J. O'BRIEN, RENERIW, ONL

Contractor and capitalist, was born Lochaber, N.S., September 19, 1851.

Since his early days he has been identified with railroads. He is probably the largest railroad contractor in the Dominion, and has built or assisted in building the Kingston & Pembroke Railway, the Northern & Pacific Junction Railway, the Baie des Chaleur Railway, the Central Counties Railway, in Eastern Ontario, the Crow's Nest Pass, branch of the Canadian Pacific Railway, the Midland, the Richmond & Inverness, and part of the Habfax & South Western Railways in Nova Scotia, the La Tuque branch of the Quebec & Lake St. John Railway, 120 mile section Canadian Northern Railway, Quebec; 50 miles of Quebec, Montreal Southern Railway, and 571 miles of Transcontinental Railway.

Mr. O'Brien is president of the Canadian & Gulf Terminal Railway: chief promoter of the Canada Graving Dock & Shipbuilding Co., Limited: a promote of the Capital Life Assurance Co., and formerly, a royal commissioner for the building of Temiskaming & Northern Ontario Railway. He owns, the O'Brien mine, Cobult, Ont., is a large holder of timber lands and has extensive interests in other mining and coal properties.

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J. G. PALMER, TOROSTO

Canadians often point with pride and elation to the wonderful progress made in every direction by the Dominion during the last decade. Wrapped up with the progress of our country is that of an industrial concern, whose general manager is J. G. Palmer of the Canadian Kodak Co., Limited.

Modern business is to be distinguished from business of former times by a full appreciation of the fact that the success of an enterprise is really the triumph of the ideal behind the enterprise. In hardly another case could it be said that the ideal has been more triumphant than in that of Kodak. One has only to reflect on Kodak's international scope, keeping constantly before his mind the essential fact that the pastime of Kodakery is modern, the latter than a quarter of a century ago.

March, 1900, saw the beginning of the Canadian Kodak Co., Limited, with a force of but to a employees, in a small three-story building, measuring 20 × 70 feet. To-day the number of the employees is around the five hundred mark, and the plant occupies three large buildings, with a floor space of const 170 000 square for And the story is still one of progress, for to meet the increasing demands of the besidess 25 acres of land over seen acquired on the outskirts of Toronto, whereon the most modern factory possible to the manufacture of photographic goods will be erected, thorough provision being made for the protection and welfare of the employees as well as for their enjoyment of suitable sports and pastimes



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Coming to Arthur One in 1906, he boult the first section of the new Port Arthur Breakwater, coefficient of the see that the solution of the Bare Point Breakwater.

to adds on to his contract work, he is an active member of the Board of Trude of Port Arthur, a member of the Port Arthur City Council, a director of the Lockhart Board ad Lamber Council is associated with a number of other enterprises in the city of Port Arthur Should have a few actions used.



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Stafford, S. S., Inc.	(220)	Walls, E. R., & Soil	15.1		
Stars, Wing Son & Morrow, End.	In	Worldell, R. & C	1.33.1		
Standard Clay Products, Ltd	177771	Wentzells, Ltd	slix		
Standard Consequetion Co. Ltd.	elvii	West Disinfecting Co., Ltd	1444		
Standard Paint & Varnish Co., Ltd.	elvi	Western Assurance Co.	2.1884		
Steel Co. of Canada, Ltd., Th	AVII	Wettlaufer Bres	11		
Steel Equipment Co., Ltd., Th	lvii	White Star-Dominion Lin	lx .		
Stephenson, Blake & Co	IXXIX	White & Thomas	1111		
Sterling supply Co., Ltd	elssu	Whitfield, John, Co., T	177		
Stewart, A. C. & Co.,	Vet	Whyte Foundry Co., Ltd., Th.	111		
Stewart, Geo M.	IVVI	Warton Marine Railway Co	dvi		
Stone, Ltd	lin	Wickett Bros , Ltd	, elm		
Structural Engineering Co., Ltd	1111 AC	Williamson, Wm	clXXE		
Sun Life Assurance Co. of Canada	Aviv	Wilson, A., & Son	CAMIL		
Surveyer, L. J. A.	XXIV.	Wilson Carbon Paper Co , 44d	clyn		
•	70.	Wilson & Lafleur, Ltd			
Taylor, J. & J., 3,10	Issu	Wiser, J. P., & Sons, End	N/		
Temiskanning & Northern Ontario Railway	17771	Witchall & Son	Nevan		
Tessier, Charles	elxxiii	Wolfe, Geo., & Sons, Ltd	chy		
Thomas, Dr., Electrical Oil		Wood, Gundy & Co	6717		
Thor Iron Works, Ltd	PANAIII	Wright & Co	1111		
Thorne, W. H., & Co., Ltd.	Exm	ALLIMITED OF A CO.	CANAL		
Thunder Bay Harbour Improvement ( )	Zem	V 0			
1.01 realway tubrovellish ( ).		YORK CONSTRUCTION CO., THE	lyı		
	evni	Young, Herman, Co., Reg'd., The	elvni		

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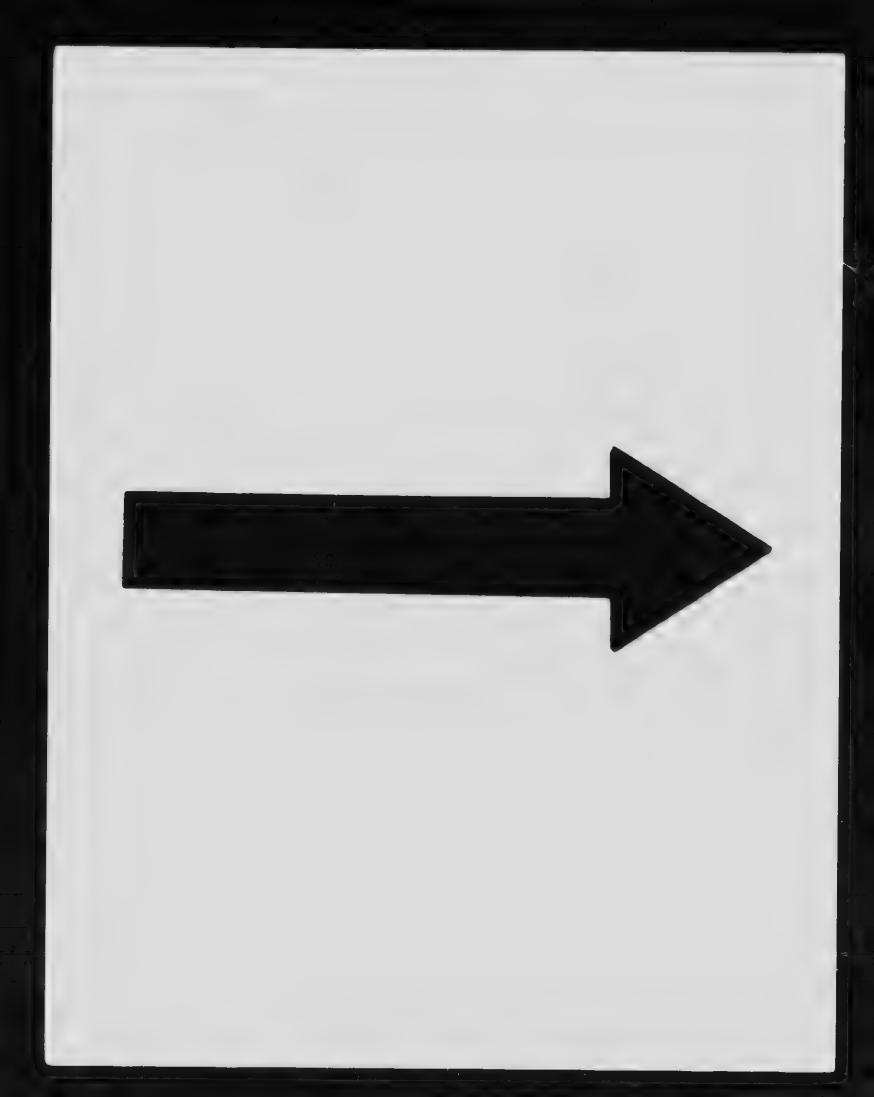
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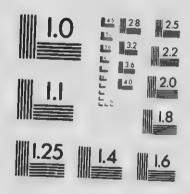
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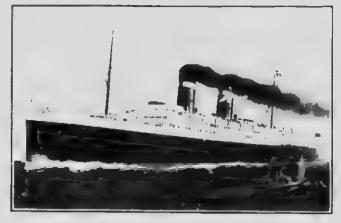
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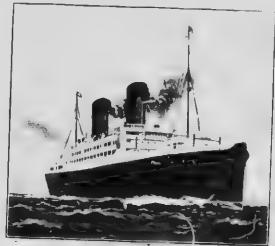
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Total weight of engine in w	ork	ing	g O	rde	r	-		-		211,200 pounds
Weight on driving wheels	-		-		_		-		w	184,800 pounds
Diameter of driving wheels		-		-				-		- 63 inches
Boiler pressure	-		-		-		-		-	180 pounds
Cylinders		-		•				-		23 x 30 inches
Superheater	-				-		-		_	- Schmidt
Maximum tractive power -		-		-		-		-		38,000 pounds

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Ontario, Canada



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Paid-Up Capital, \$15,000,000

Rest, \$13,500,000

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British Columb	ia	*		44	Yukon -	*	-	-	2
Manitoba	-	-	-	23	Tot an Canada				
New Brunswick Nova Scotia	_	-	-	7	Ne foundland	-	-	369	
Ontario -	-	-	-	13 82	Lendon, Englan	d	-	_	1
Prince Edward	Island	-	_	5	United States at	nd Mex	ieo		.5
Quebec =	-	-	•	83	Total number of	f Brane	hes		376

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#### INCORPORATED 1869

Capital Authorized	-		\$25,000,000
Capital Paid Up Reserve Funds	-	46	11,560,000
Total Assets .		•	13,500,000
77 1 1	-		180,000,000

Head Office, MONTREAL

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OF CANADA

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do. 85,017,670

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- \$3,000,000

Reserve and Undivided Profits \$3,750,000 Total Assets, over

- \$46,000,000

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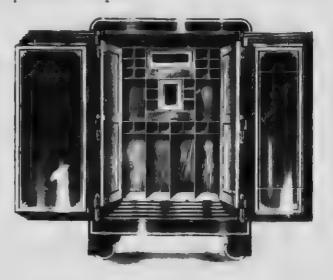
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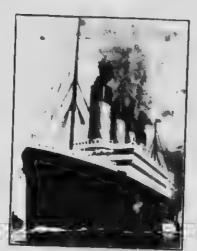
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\$6,000,000.00 Paid-Up Capital 4,250,000.00 Reserve Fund (earned) 31,826,618.37 Assets

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In sums of \$100 and upwards.

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Debentures issued by this Corporation have—a taken by English and Scottish investors for nearly forty years and commend thenselves to prudent and cautious investors as an absolutely safe investment, for the following among many reasons:

 The Corporation occupies a pre-eminent position among the financial institutions of the Dominion. In the Companies of which it is composed it has a record extending over considerably more than half a century.

The Assets of the Corporation, all most conservatively invested, and unted on 31st December, 1913, 10

#### \$31,826,618.37

3. By far the most important item of its Assets, about ninety per cent, of the total, is Mortgages on improved and productive Real Estate, amounting to

#### \$28,355,791.17

- 1. The Corporation is one of the strongest financial institutions in either Canada or the United
- 5. It is purely an Investment Company; not a speculative institution.
- The Half-Yearly Interest Coupens may be collected at the Agencies in Canada of any of the Corporation's Bankers, and in New York at d Chicago at the Bank of Montreal; or in Great Britain at the London City & Midland Bank, Limited, and its Branches.
- 7. The Debentures are issued in sums of \$100 and upwards, and for fixed terms of five or more They are absolutely unconditional and the Corporation does not reserve any right of
- cancellation before the maturity date. These Debentures are a Legal Investment for Trust P ads in Canada. Trustees may have Debentures for the exact amount of the Trust, when desired.

Issueated with the above Corporal or and under the same direction and naturagement is

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Steel Castings from 1 to 15,000 lbs.

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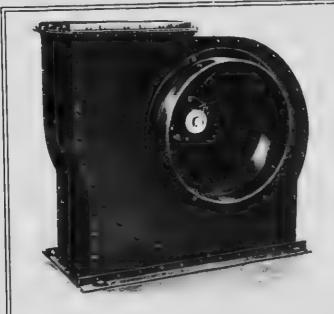
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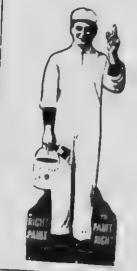
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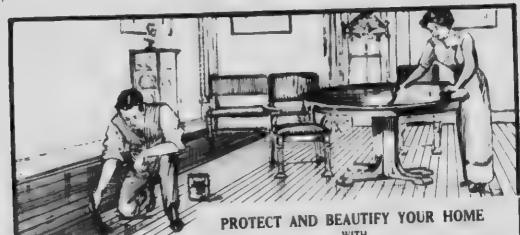
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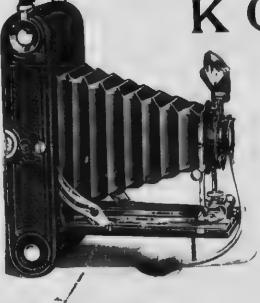
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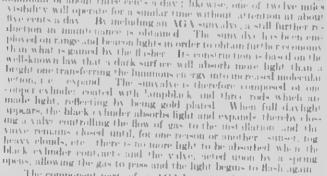
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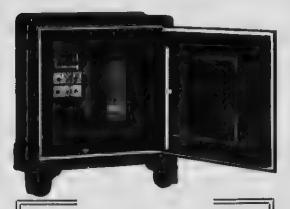
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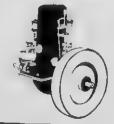
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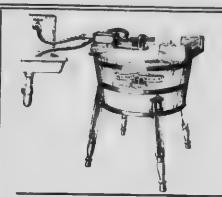
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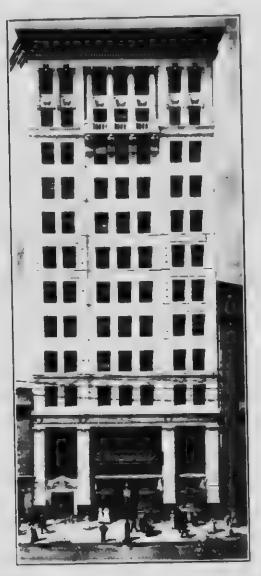
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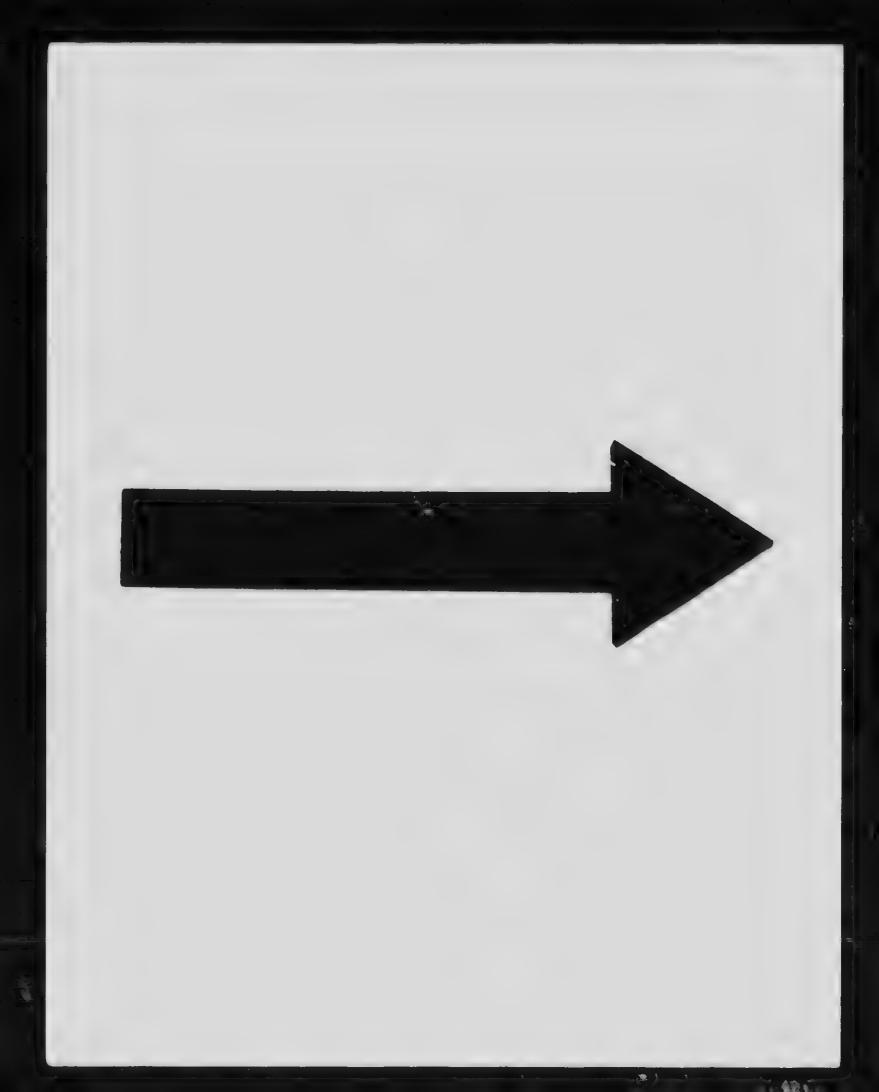
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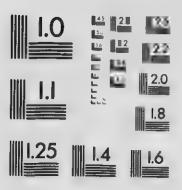
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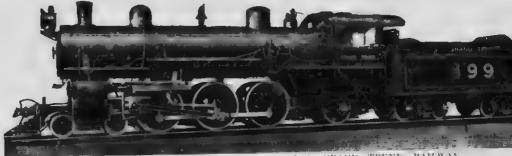
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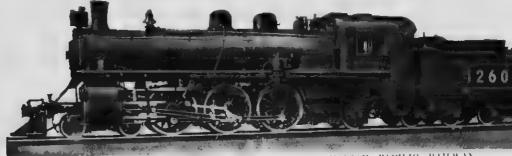
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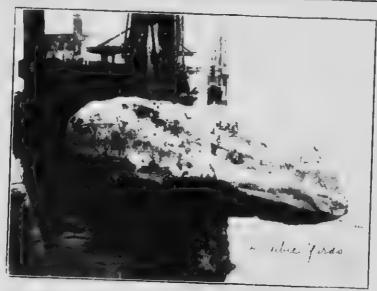
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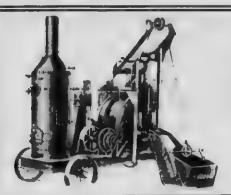
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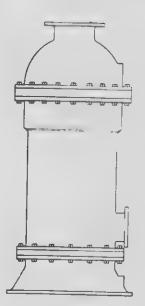
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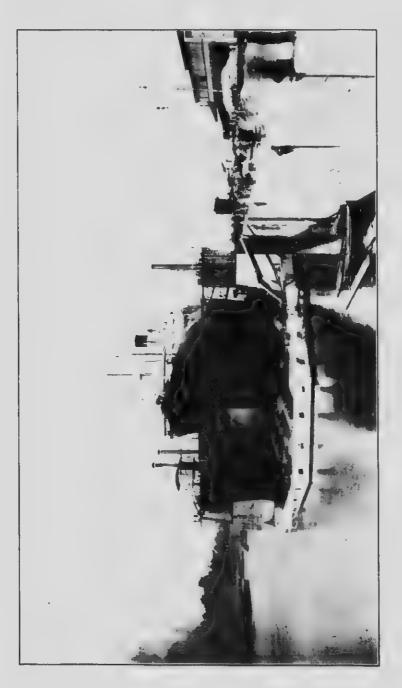
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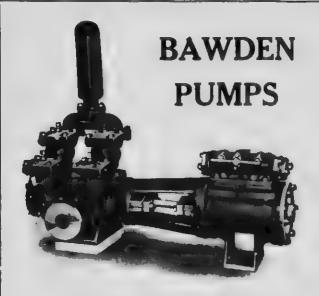
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C His little daughter is the role of his eye the object upon which is centered the very essence of his affections. Her helplessness appeals to him. Her loving faith in his truth and sincerity, her trustful reliance upon his guidance and protection, do you know that, surpassing all other passions in its immeasured heights and depths, is the love of a father for his daughter.

He knows that, in the course of nature he must leave her shortly. He knows, too that she will never forget him that she will revere his memory always while she lives, and vet other interests are bound to arise new ties to be created. The little girl grows to womanhood is a wife, a mother and lapse of time though it blot not out remembrance obscures as in a mist the personality of the loved one who is gone. Oh, to keep alive, to awaken again as by one's bodily present the affections that slumber!

I think of my little daughter every day and every hour. It is my delight to say something to do something to give her pleasure, and, often far from home to send her some little token of tenderness that will remind her of her father. Full well she knows that I shall remember her when her next birthday comes around. Do I not know that her heart would break were I to forget her on that one day of all days peculiarly her own? Not for the loss of the trivial present, but because of the waning love and the declinir that neglect would imply

There will come a birthday when the hand that was wont to bestow the is pulseless, when the lips that were wont to speak the words of tenderness are that day, when desolation holds peculiar sway in her heart because of the chair time or the first time, is vacant never to be occupied again on that day, the letter now lying in the atrong box will be sealed and given to her. It will convey her father's anniversary greetings as old, and will inclose a birthday present in the form of a draft for three hundred dollars drawn by The Mutual Life Insurance Company, of New York

And with every yearly return of that day, so long as she lives, will come a similar check not a large amount, but meaning more to her than many times the sum from another source. And when she is an old woman and I have been in my grave for forty years, with every birthday anniversary will come her father's accustomed present, conveyed to her by one of the strongest financial institutions in the world, in accordance with the terms of the life insurance policy now lying in the strong box at home.

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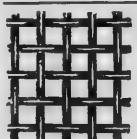
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Gain over 1912 💮 🧸	46	-	ww	to to	34,000,000,00
Risks in force Jan. 1, 1914 (1,	101.655	Policies)	*	•	2,273,000,000,00
Gain over Jan. 1, 1913	-	-		-	103,000,000,00
Dividends allotted (1914)		-			17,600,000,00
Increase over 1913 -	-	-		-	2,200,000,00
Income	-	-	-	-	124,000,000,00

Disposition of Income:

Death Clain	14 -	-	-	-	826,000,000
Matured En	dowments.	Surre	nder Va	dues, etc.	-25,000,000
Dividends –	-	-	-	-	15,000,000
Expenses, et	e includir	ig Taxi	$es_{-}(81.3$	32,956)	15,000,000
Added to Re	serve	-	m	-	-43,000,000

-124,000,000,00

The Investments of	the 3	Year	Outside	of	Loans	
on Policies) were	-	***	-	-	-	\$41,740,459.14
Invested to	puy 5	07 per	rent .			
Assets (market values)	**	-	100	101	-	748,000,000,00
Insurance in force	mh.	-	-	ant.	-	-2.273000,000,00

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